Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW02 No. 739 Oaklands Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	174.83	-52.8	0	3																	68	68	68	68	68	68	68	68	68	68	68	68
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	174.83	-52.8	0	3																					71	71	71	71	71	71	71	71
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	63.42	-44.0	5	3																					78	78	78	78	78	78	78	78
AWC1-i	Road P1 - part 2	114	3	285.9	-57.1	5	3																									65	65	65	65
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	27.04	-36.6	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	92.77	-47.3	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW02 No. 739 Oaklands Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	203 Q1	203 Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	174.83	-52.8	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	174.83	-52.8	0	3	71																					
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	63.42	-44.0	5	3																						
AWC1-i	Road P1 - part 2	114	3	285.9	-57.1	5	3	65	65	65																			
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	27.04	-36.6	0	3			84	84	84	84	84	84	84	84	84	84										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	92.77	-47.3	0	3											73	73	73	73	73	73	73	73	73	73		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW02 No. 739 Oaklands Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	174.83	-52.8	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	174.83	-52.8	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	63.42	-44.0	5	3																												
AWC1-i	Road P1 - part 2	114	3	285.9	-57.1	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	27.04	-36.6	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	92.77	-47.3	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW02 No. 739 Oaklands Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	253	-56.0	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	144	-51.2	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	149	-51.4	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	144	-51.2	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	269.74	-56.6	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	269.74	-56.6	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW02 No. 739 Oaklands Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	203 Q1	203 Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	253	-56.0	6	3												69	69	69	69	69	69	69				
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	144	-51.2	6	3	79	79	79	79	79	79	79	79	79	79												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	149	-51.4	6	3					79	79	79	79	79	79	79	79	79	79	79	79						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	144	-51.2	3	3														73	73	73	73	73	73	73	73	73
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	269.74	-56.6	0	3					68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68		
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	269.74	-56.6	0	3												67	67	67	67	67	67	67	67	67	67	67
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW02 No. 739 Oaklands Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	253	-56.0	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	144	-51.2	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	149	-51.4	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	144	-51.2	3	3	73	73	73																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	269.74	-56.6	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	269.74	-56.6	0	3	67	67	67																											
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW02 No. 739 Oaklands Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																							68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	79	79	79	79	79	79	79	79	79	72	72	72	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW02 No. 739 Oaklands Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							72	79	79	79	85	85	85	85	85	85	85	85	85	85	80	80	80	80	80	80	80	80	80	80	74	68	68	68	68	68	68	68	68	71	73	73	73	73	73	76	76	76	75	75	75	75	75	75	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW02 No. 739 Oaklands Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							74	74	74																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW03 No. 703A, Chung Long Terrace

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	203.02	-54.1	0	3																	67	67	67	67	67	67	67	67	67	67	67	67
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	203.02	-54.1	0	3																					69	69	69	69	69	69	69	69
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	60.59	-43.6	5	3																					79	79	79	79	79	79	79	79
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	130.45	-50.3	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	146.17	-51.3	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW03 No. 703A, Chung Long Terrace

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	203.02	-54.1	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	203.02	-54.1	0	3	69																					
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	60.59	-43.6	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	130.45	-50.3	0	3			70	70	70	70	70	70	70	70	70	70										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	146.17	-51.3	0	3									69	69	69	69	69	69	69	69	69	69	69	69		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW03 No. 703A, Chung Long Terrace

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	203.02	-54.1	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	203.02	-54.1	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	60.59	-43.6	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	130.45	-50.3	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	146.17	-51.3	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW03 No. 703A, Chung Long Terrace

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	276	-56.8	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	253	-56.0	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	203	-54.1	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	239	-55.5	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	203	-54.1	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW03 No. 703A, Chung Long Terrace

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	276	-56.8	6	3												68 68	68 68 68 68 68 68									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	253	-56.0	6	3									74 74 74 74 74 74 74 74 74 74 74 74													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	203	-54.1	6	3	76 76 76 76 76 76 76 76 76 76 76 76																					
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	239	-55.5	6	3					74 74 74 74 74 74 74 74 74 74 74 74																	
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	203	-54.1	3	3														70 70 70 70 70 70 70 70 70	70 70 70 70 70 70 70 70 70 70 70 70	70 70 70 70 70 70			
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW03 No. 703A, Chung Long Terrace

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	276	-56.8	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	253	-56.0	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	203	-54.1	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	239	-55.5	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	203	-54.1	3	3	70	70	70																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW03 No. 703A, Chung Long Terrace

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																							67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW03 No. 703A, Chung Long Terrace

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							69	76	76	76	77	77	77	77	77	77	77	77	76	76	76	76	76	76	76	76	76	76	76	75	74	74	74	74	74	74	74	74	75	75	68	68	68	72	72	72	70	70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW03 No. 703A, Chung Long Terrace

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							70	70	70																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ENW02 No. 202, Shun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	127	-50.1	6	3																							78	78	78	78	78	78	78	78	78	78								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	127	-50.1	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	260	-56.3	5	3																							66	66	66	66	66	66	66	66	66	66								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ENW02 No. 202, Shun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	127	-50.1	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	127	-50.1	0	3													71	71	71	71	71	71	71	71	71	71	71	71
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	260	-56.3	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ENW02 No. 202, Shun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	127	-50.1	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	127	-50.1	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	260	-56.3	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ENW02 No. 202, Shun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	192	-53.6	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	130	-50.3	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	260	-56.3	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	260	-56.3	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ENW02 No. 202, Shun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	192	-53.6	6	3													71	71	71	71	71	71	71	71		
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	130	-50.3	6	3									80	80	80	80	80	80	80	80	80	80	80	80		
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	260	-56.3	6	3									74	74	74	74	74	74	74	74	74	74	74	74		
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	260	-56.3	3	3														68	68	68	68	68	68	68	68	68	68	68
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ENW02 No. 202, Shun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	192	-53.6	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	130	-50.3	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	260	-56.3	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	260	-56.3	3	3	68	68	68																										
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ENW02 No. 202, Shun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													79	79	79	79	79	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ENW02 No. 202, Shun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)															81	81	81	81	81	81	81	81	81	81	81	81	71	71	71	73	73	73	75	75	75	75	75	73	73	73	68	68	68	68	68	68	68	68	68	68	68	68	68	68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ENW02 No. 202, Shun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							68	68	68																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW01 No. 332, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	107	-48.6	5	3																					79	79	79	79	79	79	79	79
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	107	-48.6	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW01 No. 332, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	107	-48.6	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	107	-48.6	3	3			76	76	76	76	76	76	76	76	76	76	76	76	76	76						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW01 No. 332, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	107	-48.6	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	107	-48.6	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW01 No. 332, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	113	-49.0	6	3																												
S2C1-i	Road D8 - part 3	116	4	230	-55.2	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	133	-50.5	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	230	-55.2	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	133	-50.5	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW01 No. 332, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	203 Q1	203 Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	113	-49.0	6	3															76	76	76	76	76	76	76	76
S2C1-i	Road D8 - part 3	116	4	230	-55.2	6	3																		69	69	69	69	69
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	133	-50.5	6	3									79	79	79	79	79	79	79	79	79	79	79	79		
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	230	-55.2	6	3	75	75	75	75	75	75	75	75	75	75	75	75										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	133	-50.5	3	3														73	73	73	73	73	73	73	73	73
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW01 No. 332, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	113	-49.0	6	3																												
S2C1-i	Road D8 - part 3	116	4	230	-55.2	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	133	-50.5	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	230	-55.2	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	133	-50.5	3	3	73	73	73																									
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW01 No. 332, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													79	79	79	79	79	79	79	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW01 No. 332, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							76	76	76	76	76	76	76	76	78	78	78	78	78	78	75	75	75	75	75	75	79	79	79	79	79	79	79	79	79	79	79	79	73	73	73	78	78	78	78	78	78	78	78	75	75	75	75	75	75	75	75	73	73	73	73	73	73

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW01 No. 332, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							73	73	73																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW02 Village house, Nai Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	300	-57.5	0	3																	64	64	64	64	64	64	64	64	64	64	64	64
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	300	-57.5	0	3																					66	66	66	66	66	66	66	66
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	103	-48.2	6	3																					80	80	80	80	80	80	80	80
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	270	-56.6	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW02 Village house, Nai Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	300	-57.5	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	300	-57.5	0	3	66																					
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	103	-48.2	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	270	-56.6	0	3					67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW02 Village house, Nai Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	300	-57.5	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	300	-57.5	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	103	-48.2	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	270	-56.6	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW02 Village house, Nai Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	287	-57.1	6	3																												
S2C1-i	Road D8 - part 2	116	4	128	-50.1	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	123	-49.8	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	190	-53.6	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	190	-53.6	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW02 Village house, Nai Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	287	-57.1	6	3												68	68	68	68	68	68	68				
S2C1-i	Road D8 - part 2	116	4	128	-50.1	6	3																	75	75	75	75	75	75	75	75
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	123	-49.8	6	3									80	80	80	80	80	80	80	80	80	80	80	80		
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	190	-53.6	6	3									76	76	76	76	76	76	76	76	76	76	76	76		
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	190	-53.6	3	3														70	70	70	70	70	70	70	70	70	70	70
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW02 Village house, Nai Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	287	-57.1	6	3																														
S2C1-i	Road D8 - part 2	116	4	128	-50.1	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	123	-49.8	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	190	-53.6	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	190	-53.6	3	3	70	70	70																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW02 Village house, Nai Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																							64	64	64	64	64	64	64	64	64	64	64	64	64	64	80	80	80	80	80	80	80	80	80	80	66	66	66	66	66	66	66	66

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW02 Village house, Nai Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)	66										67	67	67	67	67	67	67	67	82	82	82	82	82	82	82	82	82	70
												70	70	73	73	76	76	76	76	76	76	76	76	70	70	70	70	70	70
												70	70	70	70	70	70	70	70	70	70	70	70	70	70				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW02 Village house, Nai Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							70	70	70																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW03 No. 368, Sun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	152	-51.6	6	3																					77	77	77	77	77	77	77	77
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	152	-51.6	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	266	-56.5	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW03 No. 368, Sun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	152	-51.6	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	152	-51.6	0	3												70	70	70	70	70	70	70	70	70	70	70	70	70
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	266	-56.5	0	3					67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW03 No. 368, Sun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	152	-51.6	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	152	-51.6	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	266	-56.5	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW03 No. 368, Sun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	229	-55.2	6	3																												
S2C1-i	Road D8 - part 2	116	4	98	-47.8	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	266	-56.5	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	120	-49.6	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	120	-49.6	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW03 No. 368, Sun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	229	-55.2	6	3												69	69	69	69	69	69	69				
S2C1-i	Road D8 - part 2	116	4	98	-47.8	6	3																	77	77	77	77	77	77	77	77
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	266	-56.5	6	3									73	73	73	73	73	73	73	73	73	73	73	73				
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	120	-49.6	6	3									80	80	80	80	80	80	80	80	80	80	80	80				
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	120	-49.6	3	3														74	74	74	74	74	74	74	74	74	74	74
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW03 No. 368, Sun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	229	-55.2	6	3																														
S2C1-i	Road D8 - part 2	116	4	98	-47.8	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	266	-56.5	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	120	-49.6	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	120	-49.6	3	3	74	74	74																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW03 No. 368, Sun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													77	77	77	77	77	77	77	77	77	77	77

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW03 No. 368, Sun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)																												
																67	67	67	67	67	67	67	67	67	81	81	81	81	81	81	81
																81	82	82	82	74	74	74	77	77	77	80	80	80	80	80	80
																79	79	79	74	74	74	74	74	74	74	74	74	74	74	74	74

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW03 No. 368, Sun Fung Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							74	74	74																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW04 No. 716, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	282	-57.0	6	3																					71	71	71	71	71	71	71	71
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	239	-55.5	5	3																					72	72	72	72	72	72	72	72
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	239	-55.5	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	282	-57.0	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW04 No. 716, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	282	-57.0	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	239	-55.5	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	239	-55.5	3	3			69	69	69	69	69	69	69	69	69	69	69	69								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	282	-57.0	0	3													64	64	64	64	64	64	64	64	64	64	64	64
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW04 No. 716, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	282	-57.0	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	239	-55.5	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	239	-55.5	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	282	-57.0	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW04 No. 716, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	266	-56.5	6	3																												
S2C1-i	Road D8 - part 2	116	4	156	-51.8	6	3																												
S2C1-i	Road D8 - part 3	116	4	295	-57.4	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	115	-49.2	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	285	-57.1	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	115	-49.2	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW04 No. 716, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	266	-56.5	6	3												68	68	68	68	68	68	68				
S2C1-i	Road D8 - part 2	116	4	156	-51.8	6	3																	73	73	73	73	73	73	73
S2C1-i	Road D8 - part 3	116	4	295	-57.4	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	115	-49.2	6	3									81	81	81	81	81	81	81	81	81	81	81	81		
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	285	-57.1	6	3	73	73	73	73	73	73	73	73	73	73	73	73										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	115	-49.2	3	3														75	75	75	75	75	75	75	75	75
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW04 No. 716, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	266	-56.5	6	3																												
S2C1-i	Road D8 - part 2	116	4	156	-51.8	6	3																												
S2C1-i	Road D8 - part 3	116	4	295	-57.4	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	115	-49.2	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	285	-57.1	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	115	-49.2	3	3	75	75	75																									
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW04 No. 716, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													75	75	75	75	75	75	75	75	75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW04 No. 716, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							69	69	69	69	69	69	69	69	74	74	74	74	74	74	73	73	73	73	73	81	81	81	81	81	81	81	81	81	81	81	70	70	70	76	76	76	77	77	77	77	77	77	77	77	77	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESFW04 No. 716, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							75	75	75																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT01 No. 16, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	120	-49.6	5	3																					78	78	78	78	78	78	78	78	78	78
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	120	-49.6	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT01 No. 16, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	120	-49.6	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	120	-49.6	3	3			75	75	75	75	75	75	75	75	75	75	75	75								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT01 No. 16, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	120	-49.6	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	120	-49.6	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT01 No. 16, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	248	-55.9	6	3																												
S2C1-i	Road D8 - part 3	116	4	118	-49.4	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	165	-52.3	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	245	-55.8	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT01 No. 16, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	248	-55.9	6	3													69	69	69	69	69	69	69			
S2C1-i	Road D8 - part 3	116	4	118	-49.4	6	3																		75	75	75	75	75
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	165	-52.3	6	3					78	78	78	78	78	78	78	78	78	78								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	245	-55.8	3	3														68	68	68	68	68	68	68	68	68
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT01 No. 16, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	248	-55.9	6	3																														
S2C1-i	Road D8 - part 3	116	4	118	-49.4	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	165	-52.3	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	245	-55.8	3	3	68	68	68																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT01 No. 16, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													78	78	78	78	78	78	78	78	78	78	78	78

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT01 No. 16, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							75	75	75	75	75	75	75	75	79	79	79	79	79	79	78	78	78	78	78	78	68	68	68	71	71	71	71	71	71	71	71	76	76	76	76	76	76	76	76	68	68	68	68	68	68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT01 No. 16, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							68	68	68																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT02 No. 203, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	162	-52.2	5	3																					75	75	75	75	75	75	75	75	75	75
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	162	-52.2	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT02 No. 203, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	162	-52.2	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	162	-52.2	3	3			72	72	72	72	72	72	72	72	72	72	72	72								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT02 No. 203, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	162	-52.2	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	162	-52.2	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT02 No. 203, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	126	-50.0	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	135	-50.6	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	174	-52.8	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT02 No. 203, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	126	-50.0	6	3																	75	75	75	75	75	75	75	75
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	135	-50.6	6	3					79	79	79	79	79	79	79	79	79	79	79	79						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	174	-52.8	3	3													71	71	71	71	71	71	71	71	71	71	71	71
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT02 No. 203, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	126	-50.0	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	135	-50.6	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	174	-52.8	3	3	71	71	71																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT02 No. 203, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													75	75	75	75	75	75	75	75	75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT02 No. 203, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							72	72	72	72	72	72	72	72	80	80	80	80	80	80	79	79	79	79	79	79	71	71	71	71	71	71	71	71	71	71	71	71	76	76	76	76	76	76	76	76	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ECUT02 No. 203, Chung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							71	71	71																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESTC51 Shung Tak Catholic English College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	299	-57.5	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	122	-49.7	0	3																									73	73	73	73
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	291	-57.3	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESTC51 Shung Tak Catholic English College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	299	-57.5	6	3		71	71	71	71	71	71	71	71	71	71												
AWC1-vf	Site formation for Site 5-32	119	1	122	-49.7	0	3	73	73																				
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	291	-57.3	0	3													64	64	64	64	64	64	64	64	64	64	64	64
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESTC51 Shung Tak Catholic English College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	299	-57.5	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	122	-49.7	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	291	-57.3	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESTC51 Shung Tak Catholic English College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESTC51 Shung Tak Catholic English College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESTC51 Shung Tak Catholic English College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESTC51 Shung Tak Catholic English College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																															73	73	73	73	73	73	73	73

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESTC51 Shung Tak Catholic English College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							73	73	71	71	71	71	71	71	71	71	71	71					64	64	64	64	64	64

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESTC51 Shung Tak Catholic English College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EUPT02 Flat C, Tower 1, Uptown

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	104	-48.3	0	3																									74	74	74	74
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									74	74	74	74
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EUPT02 Flat C, Tower 1, Uptown

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	104	-48.3	0	3	74	74																				
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EUPT02 Flat C, Tower 1, Uptown

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	104	-48.3	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EUPT02 Flat C, Tower 1, Uptown

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EUPT02 Flat C, Tower 1, Uptown

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EUPT02 Flat C, Tower 1, Uptown

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EUPT02 Flat C, Tower 1, Uptown

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																															74	74	74	74
								74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EUPT02 Flat C, Tower 1, Uptown

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							74	74																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EUPT02 Flat C, Tower 1, Uptown

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS01 No. 30 Lau Fau Shan

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS01 No. 30 Lau Fau Shan

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS01 No. 30 Lau Fau Shan

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS01 No. 30 Lau Fau Shan

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS01 No. 30 Lau Fau Shan

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS01 No. 30 Lau Fau Shan

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS01 No. 30 Lau Fau Shan

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	299.96	-57.5	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	80.09	-46.1	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS01 No. 30 Lau Fau Shan

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	299.96	-57.5	0	3																					60	60
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	80.09	-46.1	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)																											60	60

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS01 No. 30 Lau Fau Shan

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	299.96	-57.5	0	3	60	60	60	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	80.09	-46.1	3	3	82	82	82	#	#	#	#																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							82	82	82	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS02 No. 3H, San Hing Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS02 No. 3H, San Hing Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS02 No. 3H, San Hing Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS02 No. 3H, San Hing Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS02 No. 3H, San Hing Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	20 Q1	20 Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS02 No. 3H, San Hing Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS02 No. 3H, San Hing Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	175.31	-52.9	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	73.46	-45.3	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	210.21	-54.4	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	265.85	-56.5	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	210.21	-54.4	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS02 No. 3H, San Hing Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	175.31	-52.9	0	3																					65	65
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	73.46	-45.3	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	210.21	-54.4	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	265.85	-56.5	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	210.21	-54.4	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)																											65	65

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS02 No. 3H, San Hing Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	175.31	-52.9	0	3	65	65	65	65	65	65	65	65	65	65	65	65																
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	73.46	-45.3	3	3	83	83	83	83	83	83	83																					
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	210.21	-54.4	3	3			74	74	74	74	74	74	74																			
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	265.85	-56.5	0	3											67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	210.21	-54.4	0	3																							69	69	69	69	69	69	69	69
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							83	83	83	83	83	83	83	74	74	74	74	74	74	74	67	67	67	67	67	67	67	67	67	67	67	67	69	69	69	69

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS03 No. 310 Sha Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS03 No. 310 Sha Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS03 No. 310 Sha Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS03 No. 310 Sha Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS03 No. 310 Sha Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS03 No. 310 Sha Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS03 No. 310 Sha Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	111.63	-48.9	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	254.88	-56.1	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	254.39	-56.1	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	153.33	-51.7	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	266.43	-56.5	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	153.33	-51.7	0	3																												
S4C1-vid	Sites 1-2	121	1	266.43	-56.5	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
							Predicted Noise Level , dB(A)																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS03 No. 310 Sha Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	20 Q1	20 Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	111.63	-48.9	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	254.88	-56.1	0	3																					61	61
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	254.39	-56.1	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	153.33	-51.7	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	266.43	-56.5	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	153.33	-51.7	0	3																						
S4C1-vid	Sites 1-2	121	1	266.43	-56.5	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)																											61	61

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS03 No. 310 Sha Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	111.63	-48.9	8	3													81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	254.88	-56.1	0	3	61	61	61	61	61	61	61	61	61	61	61	61																		
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	254.39	-56.1	3	3			72	72	72	72	72	72	72																				
S4C1-vif	Sites 2-11 and 2-12	122	2	153.33	-51.7	3	3											76	76	76	76	76	76	76													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	266.43	-56.5	5	3																			73	73	73	73	73	73						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	153.33	-51.7	0	3																														
S4C1-vid	Sites 1-2	121	1	266.43	-56.5	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							61	61	61	61	61	61	61	72	72	72	72	72	72	76	76	76	76	76	76	73	73	73	73	73	73	82	82	82

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS04 Wing Jan School/Wing Jan Lutheran Church

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS04 Wing Jan School/Wing Jan Lutheran Church

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS04 Wing Jan School/Wing Jan Lutheran Church

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS04 Wing Jan School/Wing Jan Lutheran Church

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS04 Wing Jan School/Wing Jan Lutheran Church

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS04 Wing Jan School/Wing Jan Lutheran Church

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS04 Wing Jan School/Wing Jan Lutheran Church

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	215.15	-54.6	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	90.35	-47.1	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS04 Wing Jan School/Wing Jan Lutheran Church

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	215.15	-54.6	0	3																					63	63
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	90.35	-47.1	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)																											63	63

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS04 Wing Jan School/Wing Jan Lutheran Church

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	215.15	-54.6	0	3	63	63	63	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	90.35	-47.1	3	3	81	81	81	#	#	#	#																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							81	81	81	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS05 No. 1, Lau Fau Shan Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS05 No. 1, Lau Fau Shan Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS05 No. 1, Lau Fau Shan Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS05 No. 1, Lau Fau Shan Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS05 No. 1, Lau Fau Shan Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS05 No. 1, Lau Fau Shan Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS05 No. 1, Lau Fau Shan Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	265.93	-56.5	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	175.94	-52.9	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	249.14	-55.9	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	91.81	-47.2	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	136.9	-50.7	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	91.81	-47.2	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	156.77	-51.9	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS05 No. 1, Lau Fau Shan Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	265.93	-56.5	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	175.94	-52.9	0	3																					65	65
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	249.14	-55.9	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	91.81	-47.2	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	136.9	-50.7	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	91.81	-47.2	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	156.77	-51.9	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																						65	65

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELFS05 No. 1, Lau Fau Shan Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	265.93	-56.5	0	3														68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	175.94	-52.9	0	3	65	65	65	65	65	65	65	65	65	65	65																			
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	249.14	-55.9	3	3	72	72	72	72	72	72	72																							
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	91.81	-47.2	3	3							81	81	81	81	81	81	81																	
S4C1-vif	Sites 2-11 and 2-12	122	2	136.9	-50.7	3	3														77	77	77	77	77	77	77										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	91.81	-47.2	0	3																76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	156.77	-51.9	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							73	73	73	73	73	73	81	81	81	81	81	81	77	77	77	77	80	80	80	76	76	76	76	76	76	76	76	76	76	76

ID	Construction Activity	2038																																			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22																																				
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18																																				
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33																																				
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17																																				
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9																																				
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42																																				
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)																																				
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)																																				
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)																																				
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3																																				
S3C2-i	Road D5																																				
S3C2-i	Road D3 - Underpass																																				
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1																																				
S3C2-ii	Slip roads - part 2																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains																																				
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23																																				
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31																																				
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42																																				
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34																																				
S3C2-ivd	Sites 3-36 and 3-37																																				
S3C2-ivd	Sites 3-22 and 3-23																																				
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27																																				
S3C3-i	Local roads serving Site 1-29																																				
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel																																				
S3C3-ii	Hung Shui Kiu Channel																																				
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43																																				
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)																																				
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30																																				
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)																																				
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30																																				
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1																																				
S4C1-i	Tin Ying Road - part 2																																				
S4C1-i	Tin Ying Road - part 3																																				
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1																																				
S4C1-ii	Channel Re-vitalization - part 2																																				
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan																																				
S4C1-iv	Local roads serving area near Tin Shui Wai Channel																																				
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24																																				
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24																																				
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35																																				
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17																																				
S4C1-vif	Sites 2-11 and 2-12																																				
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7																																				
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16																																				
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15																																				
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
S4C1-vid	Sites 1-2																																				
S4C1-vid	Sites 1-10, 1-11 and 1-14																																				
	Predicted Noise Level , dB(A)	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	68	68	68	68	68	68	68	68	68	68	68	68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW01 Wah Yat House, Tin Wah Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW01 Wah Yat House, Tin Wah Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW01 Wah Yat House, Tin Wah Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW01 Wah Yat House, Tin Wah Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW01 Wah Yat House, Tin Wah Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW01 Wah Yat House, Tin Wah Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW01 Wah Yat House, Tin Wah Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	94.7	-47.5	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	147.79	-51.4	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	147.79	-51.4	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW01 Wah Yat House, Tin Wah Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	94.7	-47.5	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	147.79	-51.4	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	147.79	-51.4	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
					Predicted Noise Level , dB(A)																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW01 Wah Yat House, Tin Wah Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	94.7	-47.5	6	3																	76	76	76	76	76	76	76	76						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	147.79	-51.4	5	3							78	78	78	78	78	78	78																	
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	147.79	-51.4	0	3																							72	72	72	72	72	72	72	72
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)													78	78	78	78	78	78	78						76	76	76	78	78	78	78	72	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW02 Cantas Lok Kan School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW02 Cantas Lok Kan School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW02 Cantas Lok Kan School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW02 Cantas Lok Kan School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW02 Cantas Lok Kan School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW02 Cantas Lok Kan School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																					
	STAGE 2																											
	Development Stage 2 - Contract S2C1																											
	District Distributor Road D6, D7 and D8, and local roads																											
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																					
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																					
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																					
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																					
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																					
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																					
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																											
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																					
	Site formation and development for Fresh Water Service Reservoir																											
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																					
	Site formation for residential & commercial developments, G/IC and Open Space areas																											
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																					
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																					
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																					
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																					
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																					
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																					
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																					
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																					
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																					
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																					
	Site development for residential & commercial developments, G/IC and Open Space areas																											
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																					
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																					
	Site formation for a new District Cooling System																											
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																					
	Site development for a new District Cooling System																											
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																					
	Development Stage 2 - Contract S2C2																											
	District Distributor Road D1, a section of Road D3 and local roads																											
S2C2-i	Road D3	116	2	n/a	--	3	3																					
S2C2-i	Road D1	116	2	n/a	--	3	3																					
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																					
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																					
	Site formation for a new HSK STW																											
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																					
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																					
	Site development for a new HSK STW																											
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																					
	A new Sewage Pumping Station SPS4 and associated rising mains																											
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																					
	Associated rising mains																											
	A new TSE reservoirs and associated pumping stations and rising mains																											
S2C2-iv	site 5-40	131	1	n/a	--	0	3																					
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																											
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																					
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																					
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																					
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																					
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																											
	sites 3-9 and 3-4																											
S2C2-vd	site 3-4	121	1	n/a	--	0	3																					
S2C2-vd	site 3-9	121	1	n/a	--	0	3																					
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																					
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																					
	sites 3-18 and 3-5																											
S2C2-vd	site 3-18	121	1	n/a	--	0	3																					
S2C2-vd	site 3-5	121	1	n/a	--	0	3																					
S2C2-vd	site 3-1	121	2	n/a	--	3	3																					
	STAGE 3																											
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																											
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																					
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																					
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																					
S3C1-i	Road D4	114	3	n/a	--	5	3																					
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																					
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																					
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																					
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																					
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																					
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																					
	Site formation for residential, commercial and G/IC sites																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW02 Cantas Lok Kan School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	126.47	-50.0	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	75.53	-45.5	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	169.23	-52.6	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	217.44	-54.7	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	273.88	-56.7	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW02 Cantas Lok Kan School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	126.47	-50.0	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	75.53	-45.5	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	169.23	-52.6	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	217.44	-54.7	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	273.88	-56.7	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW02 Cantas Lok Kan School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																								
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	126.47	-50.0	5	3						76	76	76																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																								
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	75.53	-45.5	6	3													78	78	78	78	78	78	78	78	78				
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																								
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																								
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	169.23	-52.6	5	3		77	77	77	77	77	77	77																	
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																								
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	217.44	-54.7	0	3										69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	273.88	-56.7	0	3																								67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
	Predicted Noise Level , dB(A)								77	77	77	77	77	77	77		76	76	76		69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW03 Shui Lung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW03 Shui Lung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW03 Shui Lung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																														
	Advanced Works - Phase 1 - Contract AWC1																														
	Site formation for residential site 5-26																														
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																								
	Site development for residential site 5-26																														
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																								
	Advanced Works - Phase 2 - Contract AWC2																														
	Site formation for ESS 1																														
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																								
	Site formation for residential site 4-20, 5-24																														
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																								
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																								
	Site development for residential site 4-20, 5-24																														
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																								
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																								
	Advanced Works - Phase 3 - Contract AWC3																														
	Site formation for residential, G/IC, commercial and industrial development areas																														
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																								
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																								
	Site development for residential, G/IC, commercial and industrial development areas																														
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-36	118																													
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																								
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																														
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																								
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																								
	Advance Works Stage - Contract AWC4																														
	Road P1 and associated works, and other District Distributors																														
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																								
	Slip Roads (Connection between Road P1 and KSWH)																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																								
	STAGE 1																														
	Development Stage 1 - Contract S1C1																														
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																														
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use site																														
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																								
	Site development for Port Back-up and Storage Use site																														
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW03 Shui Lung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW03 Shui Lung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW03 Shui Lung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																														
	sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW03 Shui Lung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	266	-56.5	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	266.27	-56.5	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	179.34	-53.1	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	176.04	-52.9	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	104.78	-48.4	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	195.41	-53.8	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	189.19	-53.5	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	173.5	-52.8	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW03 Shui Lung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	266	-56.5	7	3																									76	76	76	
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	266.27	-56.5	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	179.34	-53.1	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	176.04	-52.9	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	104.78	-48.4	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	195.41	-53.8	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	189.19	-53.5	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	173.5	-52.8	0	3																												
	Predicted Noise Level , dB(A)																															76	76	76	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW03 Shui Lung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033								2034								2035								2036								2037								2038							
								Q4				Q1				Q2				Q3				Q4				Q1				Q2				Q3				Q4				Q1				Q2				Q3			
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	266	-56.5	7	3	76	76	76	76	76																																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																																													
	Site development for residential, commercial and G/IC sites																																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	266.27	-56.5	8	3															74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74														
	Development Stage 3 - Contract S3C2																																																		
	District Distributor Road D3 and D5																																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																																													
S3C2-i	Road D5	114	4	n/a	--	6	3																																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																													
	Slip roads connecting KSWH and Road D3																																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																													
	A new TSE reservoirs and associated pumping stations and rising mains																																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																													
	Site formation for Logistics and Enterprise & Technology Park sites																																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																												
	Site development for Logistics and Enterprise & Technology Park sites																																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																												
	Development Stage 3 - Contract S3C3																																																	
	Local Roads serving district open space																																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																																													
	Site formation for G/IC sites																																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																																													
	Site development for G/IC sites																																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																																													
	STAGE 4																																																		
	Development Stage 4 - Contract S4C1																																																	
	Removal of existing Tin Ying Road																																																	
S4C1-i	Tin Ying Road - part 1	118	3	179.34	-53.1	5	3															73	73	73																												
S4C1-i	Tin Ying Road - part 2	118	3	176.04	-52.9	5	3																		73	73	73																								
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																													
	Drainage Channel Re-vitalization																																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	104.78	-48.4	6	3																																	76	76	76	76	76	76	76	76	76					
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																	76	76	76	76	76	76	76	76	76					
	Stormwater Storage Tank near Tin Shui Wai Channel																																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																													
	Local roads serving development sites																																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																													
	Site formation for a new District Cooling System																																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																													
	Site development for a new District Cooling System																																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	195.41	-53.8	5	3					76	76	76	76	76	76	76																																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	189.19	-53.5	3	3													75	75	75	75	75	75	75																										
	Site development for residential, G/IC, commercial and Open Space Areas																																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	173.5	-52.8	0	3																																											71	71	71	71	71	71	71	71
	Predicted Noise Level , dB(A)							76	76	76	76	76	76	76	76	76	76	76	76	76	76	75	75	77	77	77	77	77	74	74	74	74	74	74	74	74	74	74	74	74	74	78	78	78	76	76	76	76	76	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW04 ·n Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW04 ·n Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW04 ·n Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																					
	Advanced Works - Phase 1 - Contract AWC1																																					
	Site formation for residential site 5-26																																					
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																															
	Site development for residential site 5-26																																					
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																															
	Advanced Works - Phase 2 - Contract AWC2																																					
	Site formation for ESS 1																																					
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																															
	Site formation for residential site 4-20, 5-24																																					
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																															
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																															
	Site development for residential site 4-20, 5-24																																					
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																															
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																															
	Advanced Works - Phase 3 - Contract AWC3																																					
	Site formation for residential, G/IC, commercial and industrial development areas																																					
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																															
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																															
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																															
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																															
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																															
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																															
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																															
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																															
	Site development for residential, G/IC, commercial and industrial development areas																																					
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																															
AWC1-vd	Site development for Site 5-36	118																																				
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																															
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																															
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																															
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																															
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																															
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																															
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																					
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																															
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																															
	Advance Works Stage - Contract AWC4																																					
	Road P1 and associated works, and other District Distributors																																					
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																															
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																															
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																															
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																															
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																															
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																															
	Slip Roads (Connection between Road P1 and KSWH)																																					
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																															
	STAGE 1																																					
	Development Stage 1 - Contract S1C1																																					
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																					
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																															
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																															
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																															
	Site formation for Port Back-up and Storage Use site																																					
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																															
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																															
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																															
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																															
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																															
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																															
	Site development for Port Back-up and Storage Use site																																					
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																															
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																															
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																															
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																															
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW04 ·n Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW04 ·n Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW04 ·n Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																														
	sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW04 ·n Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	134.23	-50.5	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	106.93	-48.6	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	207.88	-54.3	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	202.47	-54.1	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	207.88	-54.3	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW04 ·n Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	134.23	-50.5	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	106.93	-48.6	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	207.88	-54.3	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	202.47	-54.1	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	207.88	-54.3	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW04 ·n Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	134.23	-50.5	5	3										75	75	75																	
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																													
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	106.93	-48.6	6	3														75	75	75	75	75	75	75	75	75	75						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3														75	75	75	75	75	75	75	75	75	75						
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	207.88	-54.3	5	3		76	76	76	76	76	76	76																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	202.47	-54.1	3	3									74	74	74	74	74	74	74	74													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	207.88	-54.3	0	3																												69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
	Predicted Noise Level , dB(A)								76	76	76	76	76	76	76	74	74	74	74	74	78	78	78												69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW05 Shui Fung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW05 Shui Fung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW05 Shui Fung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																														
	Advanced Works - Phase 1 - Contract AWC1																														
	Site formation for residential site 5-26																														
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																								
	Site development for residential site 5-26																														
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																								
	Advanced Works - Phase 2 - Contract AWC2																														
	Site formation for ESS 1																														
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																								
	Site formation for residential site 4-20, 5-24																														
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																								
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																								
	Site development for residential site 4-20, 5-24																														
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																								
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																								
	Advanced Works - Phase 3 - Contract AWC3																														
	Site formation for residential, G/IC, commercial and industrial development areas																														
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																								
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																								
	Site development for residential, G/IC, commercial and industrial development areas																														
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-36	118																													
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																								
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																														
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																								
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																								
	Advance Works Stage - Contract AWC4																														
	Road P1 and associated works, and other District Distributors																														
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																								
	Slip Roads (Connection between Road P1 and KSWH)																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																								
	STAGE 1																														
	Development Stage 1 - Contract S1C1																														
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																														
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use site																														
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																								
	Site development for Port Back-up and Storage Use site																														
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW05 Shui Fung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	202	-54.1	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW05 Shui Fung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	202	-54.1	5	3																							68	68	68	68	68		
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW05 Shui Fung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	202	-54.1	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW05 Shui Fung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	132	-50.4	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	112	-49.0	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	61	-43.7	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	202	-54.1	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	180	-53.1	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	220	-54.8	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW05 Shui Fung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	132	-50.4	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	112	-49.0	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	61	-43.7	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	202	-54.1	0	3																									63	63	63
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	180	-53.1	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	220	-54.8	0	3																											
	Predicted Noise Level , dB(A)																											68	68	68	68	68	63	63	63

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW05 Shui Fung House, Tin Shui Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																								
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 2	118	3	132	-50.4	5	3						75	75	75																
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																								
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	112	-49.0	6	3										75	75	75	75	75	75	75	75							
S4C1-ii	Channel Re-vitalization - part 2	115	4	61	-43.7	6	3																		80	80	80	80	80	80	80
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	202	-54.1	0	3	63	63	63	63	63	63	63	63	63	63	63	63	63	63										
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																								
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																								
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	180	-53.1	3	3						75	75	75	75	75	75	75	75											
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	220	-54.8	0	3																								
	Predicted Noise Level , dB(A)							63	63	63	63	63	63	63	63	63	63	63	63	63	75	75	75	75	75	75	78	78	78				
													75	75	75	75	75	75	75	75	75	75	75	75	80	80	80	80	80	80	80	80
																													69	69	69	69
																													69	69	69	69
																													69	69	69	69
																													69	69	69	69

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW06 Oi Tao House, Tin Oi Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW06 Oi Tao House, Tin Oi Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW06 Oi Tao House, Tin Oi Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																														
	Advanced Works - Phase 1 - Contract AWC1																														
	Site formation for residential site 5-26																														
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																								
	Site development for residential site 5-26																														
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																								
	Advanced Works - Phase 2 - Contract AWC2																														
	Site formation for ESS 1																														
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																								
	Site formation for residential site 4-20, 5-24																														
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																								
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																								
	Site development for residential site 4-20, 5-24																														
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																								
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																								
	Advanced Works - Phase 3 - Contract AWC3																														
	Site formation for residential, G/IC, commercial and industrial development areas																														
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																								
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																								
	Site development for residential, G/IC, commercial and industrial development areas																														
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-36	118																													
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																								
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																														
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																								
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																								
	Advance Works Stage - Contract AWC4																														
	Road P1 and associated works, and other District Distributors																														
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																								
	Slip Roads (Connection between Road P1 and KSWH)																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																								
	STAGE 1																														
	Development Stage 1 - Contract S1C1																														
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																														
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use site																														
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																								
	Site development for Port Back-up and Storage Use site																														
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW06 Oi Tao House, Tin Oi Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW06 Oi Tao House, Tin Oi Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW06 Oi Tao House, Tin Oi Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW06 Oi Tao House, Tin Oi Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	260	-56.3	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	123	-49.8	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	180	-53.1	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	101	-48.1	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	61	-43.7	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	170	-52.6	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW06 Oi Tao House, Tin Oi Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	260	-56.3	7	3																					76	76	76	76	76	76	76
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	123	-49.8	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	180	-53.1	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	101	-48.1	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	61	-43.7	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	170	-52.6	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											76	76	76	76	76	76	76

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW06 Oi Tao House, Tin Oi Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	260	-56.3	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																								
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 2	118	3	123	-49.8	5	3						76	76	76																
S4C1-i	Tin Ying Road - part 3	118	3	180	-53.1	5	3								73	73	73	73													
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	101	-48.1	6	3													76	76	76	76	76	76	76					
S4C1-ii	Channel Re-vitalization - part 2	115	4	61	-43.7	6	3																				80	80	80	80	80
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																								
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																								
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	170	-52.6	3	3						76	76	76	76	76	76	76	76											
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																								
	Predicted Noise Level , dB(A)												76	76	76	76	76	79	79	80	73	73	73			76	76	76	76	76	76	76

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW07 Block 7, Locwood Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW07 Block 7, Locwood Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW07 Block 7, Locwood Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																														
	Advanced Works - Phase 1 - Contract AWC1																														
	Site formation for residential site 5-26																														
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																								
	Site development for residential site 5-26																														
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																								
	Advanced Works - Phase 2 - Contract AWC2																														
	Site formation for ESS 1																														
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																								
	Site formation for residential site 4-20, 5-24																														
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																								
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																								
	Site development for residential site 4-20, 5-24																														
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																								
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																								
	Advanced Works - Phase 3 - Contract AWC3																														
	Site formation for residential, G/IC, commercial and industrial development areas																														
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																								
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																								
	Site development for residential, G/IC, commercial and industrial development areas																														
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-36	118																													
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																								
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																														
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																								
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																								
	Advance Works Stage - Contract AWC4																														
	Road P1 and associated works, and other District Distributors																														
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																								
	Slip Roads (Connection between Road P1 and KSWH)																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																								
	STAGE 1																														
	Development Stage 1 - Contract S1C1																														
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																														
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use site																														
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																								
	Site development for Port Back-up and Storage Use site																														
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW07 Block 7, Locwood Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW07 Block 7, Locwood Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW07 Block 7, Locwood Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW07 Block 7, Locwood Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	270	-56.6	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	242	-55.7	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	123	-49.8	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	107	-48.6	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	90	-47.1	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	50	-42.0	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	162	-52.2	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	171	-52.6	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW07 Block 7, Locwood Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	270	-56.6	7	3																					75	75	75	75	75	75	75
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	242	-55.7	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	123	-49.8	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	107	-48.6	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	90	-47.1	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	50	-42.0	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	162	-52.2	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	171	-52.6	0	3																											
	Predicted Noise Level , dB(A)																											75	75	75	75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW07 Block 7, Locwood Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	270	-56.6	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	242	-55.7	5	3					66	66	66	66	66	66	66	66	66											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																								
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 2	118	3	123	-49.8	5	3							76	76	76															
S4C1-i	Tin Ying Road - part 3	118	3	107	-48.6	5	3									77	77	77	77												
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	90	-47.1	6	3													77	77	77	77	77	77	77					
S4C1-ii	Channel Re-vitalization - part 2	115	4	50	-42.0	6	3																	82	82	82	82	82	82	82	82
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																								
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																								
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	162	-52.2	3	3						76	76	76	76	76	76	76												
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	171	-52.6	0	3																								
	Predicted Noise Level , dB(A)											66	76	76	76	76	76	79	81	78	78	78								71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW08 VTC Youth College (Tin Shui Wai)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW08 VTC Youth College (Tin Shui Wai)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW08 VTC Youth College (Tin Shui Wai)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																														
	Advanced Works - Phase 1 - Contract AWC1																														
	Site formation for residential site 5-26																														
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																								
	Site development for residential site 5-26																														
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																								
	Advanced Works - Phase 2 - Contract AWC2																														
	Site formation for ESS 1																														
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																								
	Site formation for residential site 4-20, 5-24																														
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																								
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																								
	Site development for residential site 4-20, 5-24																														
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																								
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																								
	Advanced Works - Phase 3 - Contract AWC3																														
	Site formation for residential, G/IC, commercial and industrial development areas																														
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																								
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																								
	Site development for residential, G/IC, commercial and industrial development areas																														
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-36	118																													
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																								
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																														
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																								
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																								
	Advance Works Stage - Contract AWC4																														
	Road P1 and associated works, and other District Distributors																														
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																								
	Slip Roads (Connection between Road P1 and KSWH)																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																								
	STAGE 1																														
	Development Stage 1 - Contract S1C1																														
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																														
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use site																														
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																								
	Site development for Port Back-up and Storage Use site																														
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW08 VTC Youth College (Tin Shui Wai)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	250	-55.9	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW08 VTC Youth College (Tin Shui Wai)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	250	-55.9	5	3																									66	66	66
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW08 VTC Youth College (Tin Shui Wai)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																														
	sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	250	-55.9	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW08 VTC Youth College (Tin Shui Wai)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	273	-56.7	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	265	-56.4	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	291	-57.3	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	95	-47.5	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	231	-55.3	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	70	-44.9	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	64	-44.1	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	170	-52.6	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	168	-52.5	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	124	-49.9	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	165	-52.3	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW08 VTC Youth College (Tin Shui Wai)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	273	-56.7	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	265	-56.4	7	3																					76	76	76	76	76	76	76	76
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	291	-57.3	8	3																									73	73	73	73
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	95	-47.5	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	231	-55.3	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	70	-44.9	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	64	-44.1	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	170	-52.6	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	168	-52.5	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	124	-49.9	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	165	-52.3	0	3																												
	Predicted Noise Level , dB(A)																											76	76	76	76	76	76	78	78

ID	Construction Activity	2032											
		Q1			Q2			Q3					
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	76											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42												
	Site development for residential, commercial and G/IC sites												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	73	73	73	73	73	73	73	73	73	73	73	73
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)												
	Development Stage 3 - Contract S3C2												
	District Distributor Road D3 and D5												
S3C2-i	Road D3												
S3C2-i	Road D5												
S3C2-i	Road D3 - Underpass												
	Slip roads connecting KSWH and Road D3												
S3C2-ii	Slip roads - part 1												
S3C2-ii	Slip roads - part 2												
	A new TSE reservoirs and associated pumping stations and rising mains												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains												
	Site formation for Logistics and Enterprise & Technology Park sites												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42												
	Site development for Logistics and Enterprise & Technology Park sites												
S3C2-ivd	Sites 3-24, 3-31 and 3-34												
S3C2-ivd	Sites 3-36 and 3-37												
S3C2-ivd	Sites 3-22 and 3-23												
	Development Stage 3 - Contract S3C3												
	Local Roads serving district open space												
S3C3-i	Local roads serving Site 1-27												
S3C3-i	Local roads serving Site 1-29												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel												
S3C3-ii	Tim Sam Channel												
S3C3-ii	Hung Shui Kiu Channel												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43												
	Site formation for G/IC sites												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30												
	Site development for G/IC sites												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30												
	STAGE 4												
	Development Stage 4 - Contract S4C1												
	Removal of existing Tin Ying Road												
S4C1-i	Tin Ying Road - part 1												
S4C1-i	Tin Ying Road - part 2												
S4C1-i	Tin Ying Road - part 3												
	Drainage Channel Re-vitalization												
S4C1-ii	Channel Re-vitalization - part 1												
S4C1-ii	Channel Re-vitalization - part 2												
	Stormwater Storage Tank near Tin Shui Wai Channel												
S4C1-iii	Site 2-13												
	Local roads serving development sites												
S4C1-iv	Local roads serving area near Lau Fau Shan												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel												
	Site formation for a new District Cooling System												
S4C1-vf	Site formation for a new District Cooling System at site 1-24												
	Site development for a new District Cooling System												
S4C1-vd	Site development for a new District Cooling System at site 1-24												
	Site formation for residential, G/IC, commercial and Open Space Areas												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17												
S4C1-vif	Sites 2-11 and 2-12												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16												
	Site development for residential, G/IC, commercial and Open Space Areas												
S4C1-vid	Sites 2-9 and 2-15												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16												
S4C1-vid	Sites 1-2												
S4C1-vid	Sites 1-10, 1-11 and 1-14												
	Predicted Noise Level , dB(A)	77	77	77	73	73	73	73	73	73	73	73	73

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW08 VTC Youth College (Tin Shui Wai)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	273	-56.7	7	3		75	75	75	75	75	75	75	75	75	75	75													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	265	-56.4	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/C sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	291	-57.3	8	3	73	73	73																					
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	95	-47.5	5	3					74	74	74	74	74	74	74	74	74	74	74									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																								
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/C sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/C sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 2	118	3	231	-55.3	5	3							71	71	71															
S4C1-i	Tin Ying Road - part 3	118	3	70	-44.9	5	3									81	81	81	81												
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	64	-44.1	6	3													80	80	80	80	80	80	80					
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																								
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	170	-52.6	0	3					72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	168	-52.5	0	3									71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
	Site formation for residential, G/C, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																								
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	124	-49.9	3	3					78	78	78	78	78	78	78	78												
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	165	-52.3	0	3																								
	Predicted Noise Level , dB(A)	73	73	73					75	75	75	75	75	75	75	79	82	82	82	82	82	81	81	84	82	82	82	75	75	75	75	75	75	75	75	75	75	75	75	75	81	81	81	81	81	81	81	81	75	75	75	75	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW09 Shing Ting House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	282	-57.0	5	3																					70	70	70	70	70	70	70	70	70	70
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	282	-57.0	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW09 Shing Ting House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	282	-57.0	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	282	-57.0	0	3		64	64	64	64	64	64	64	64	64	64	64	64	64													
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW09 Shing Ting House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	282	-57.0	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	282	-57.0	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW09 Shing Ting House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	226	-55.1	5	3																												
S3C1-i	Road D2 - part 3	114	3	180	-53.1	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW09 Shing Ting House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	226	-55.1	5	3																									67	67	67	67
S3C1-i	Road D2 - part 3	114	3	180	-53.1	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

2031				2032		
Q1	Q2	Q3	Q4	Q1	Q2	Q3

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW09 Shing Ting House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																														
	sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	226	-55.1	5	3																								
S3C1-i	Road D2 - part 3	114	3	180	-53.1	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW09 Shing Ting House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	271	-56.6	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	160	-52.1	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	53	-42.5	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	259	-56.2	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	94	-47.4	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	96	-47.6	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																											70	70	70	70	70	70	70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW09 Shing Ting House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	271	-56.6	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	160	-52.1	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	53	-42.5	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	259	-56.2	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	94	-47.4	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	96	-47.6	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)							64	64	64	64	64	64	64	64	64	64	64	64													67	67	67

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW09 Shing Ting House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	271	-56.6	7	3		75	75	75	75	75	75	75	75	75	75													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5~4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	160	-52.1	5	3				70	70	70	70	70	70	70	70	70												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																								
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 3	118	3	53	-42.5	5	3								83	83	83	83													
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	259	-56.2	6	3																68	68	68	68	68	68	68	68	
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																								
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	94	-47.4	0	3				78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	96	-47.6	0	3												76	76	76	76	76	76	76	76	76	76	76	76	76
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																								
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																								
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																								
	Predicted Noise Level , dB(A)							75	75	75	75	75	75	80	80	80	80	80	78	78	85	85	85	80	80	80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW10 Shing Kan House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	228	-55.1	5	3																							72	72	72	72	72	72	72	72	72	72				
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	228	-55.1	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW10 Shing Kan House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	228	-55.1	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	228	-55.1	0	3		66	66	66	66	66	66	66	66	66	66	66	66	66													
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW10 Shing Kan House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	228	-55.1	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	228	-55.1	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW10 Shing Kan House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	95	-47.5	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW10 Shing Kan House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	95	-47.5	5	3																									75	75	75	75	75
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW10 Shing Kan House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																														
	sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	95	-47.5	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW10 Shing Kan House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	269	-56.6	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	90	-47.1	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	127	-50.1	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	129	-50.2	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																											72	72	72	72	72	72	72	72
								72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW10 Shing Kan House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	269	-56.6	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	90	-47.1	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	127	-50.1	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	129	-50.2	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)									66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW10 Shing Kan House, Tin Shing Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	269	-56.6	5	3					65	65	65	65	65	65	65	65	65	65	65														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	90	-47.1	5	3										79	79	79	79																	
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	127	-50.1	0	3					75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	129	-50.2	0	3											73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																													
	Predicted Noise Level , dB(A)											75	75	75	75	75	75	80	80	80	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW11 YLPMSAA Tang Siu Tong Secondary School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	219	-54.8	5	3																							72	72	72	72	72	72	72	72	72	72		
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	280	-56.9	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	219	-54.8	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW11 YLPMSAA Tang Siu Tong Secondary School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	219	-54.8	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	280	-56.9	5	3	70	70	70	70	70	70	70	70	70	70																	
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	219	-54.8	0	3			67	67	67	67	67	67	67	67	67	67	67	67	67	67											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW11 YLPMSAA Tang Siu Tong Secondary School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	219	-54.8	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	280	-56.9	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	219	-54.8	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW11 YLPMSAA Tang Siu Tong Secondary School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	48	-41.6	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	255	-56.1	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW11 YLPMSAA Tang Siu Tong Secondary School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	48	-41.6	5	3																									81	81	81	81	81
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	255	-56.1	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW11 YLPMSAA Tang Siu Tong Secondary School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																														
	sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	48	-41.6	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	255	-56.1	5	3		66	66	66	66	66	66	66	66	66	66														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW11 YLPMSAA Tang Siu Tong Secondary School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	164	-52.3	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	160	-52.1	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	160	-52.1	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													72	72	72	72	72	72	72	72	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW11 YLPMSAA Tang Siu Tong Secondary School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	164	-52.3	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	160	-52.1	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	160	-52.1	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)							70	70	72	72	72	72	72	72	72	72	67	67	67	67	67										81	81	81

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETSW11 YLPMSAA Tang Siu Tong Secondary School

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	164	-52.3	5	3										74	74	74	74																	
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	160	-52.1	0	3										73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	160	-52.1	0	3														72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW01 No. 430, village house

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	170.53	-52.6	0	3																	69	69	69	69	69	69	69	69	69	69	69	69
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	170.53	-52.6	0	3																					71	71	71	71	71	71	71	71
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	163.09	-52.2	6	3																					76	76	76	76	76	76	76	76
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	163.09	-52.2	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	55.02	-42.8	5	3																					79	79	79	79	79	79	79	79
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	173.45	-52.8	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	172.41	-52.7	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW01 No. 430, village house

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	203 Q1	203 Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	170.53	-52.6	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	170.53	-52.6	0	3	71																					
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	163.09	-52.2	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	163.09	-52.2	0	3												69	69	69	69	69	69	69	69	69	69	69
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	55.02	-42.8	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	173.45	-52.8	0	3		68	68	68	68	68	68	68	68	68	68											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	172.41	-52.7	0	3									68	68	68	68	68	68	68	68	68	68	68	68		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW01 No. 430, village house

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	170.53	-52.6	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	170.53	-52.6	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	163.09	-52.2	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	163.09	-52.2	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	55.02	-42.8	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	173.45	-52.8	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	172.41	-52.7	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW01 No. 430, village house

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	268	-56.6	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	120	-49.6	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	269	-56.6	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	269	-56.6	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW01 No. 430, village house

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	268	-56.6	6	3												68	68	68	68	68	68	68				
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	120	-49.6	6	3									80	80	80	80	80	80	80	80	80	80	80	80		
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	269	-56.6	6	3	73	73	73	73	73	73	73	73	73	73	73	73										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	269	-56.6	3	3														67	67	67	67	67	67	67	67	67	67	67
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW01 No. 430, village house

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	268	-56.6	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	120	-49.6	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	269	-56.6	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	269	-56.6	3	3	67	67	67																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW01 No. 430, village house

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																							69	69	69	69	69	69	69	69	69	69	69	69	69	69	82	82	82	82	82	82	82	82	82	71	71	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW01 No. 430, village house

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							71	73	73	73	74	74	74	74	74	74	74	74	68	68	68	68	68	68	68	68	68	68	68	68	81	80	80	80	80	80	80	80	80	81	81	81	72	72	72	73	73	73	71	71	71	71	71	71	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETCW01 No. 430, village house

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							67	67	67																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53902 No. 125, Lee Fong Yuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	281	-57.0	5	3																					70	70	70	70	70	70	70	70	70	70
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	281	-57.0	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53902 No. 125, Lee Fong Yuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	281	-57.0	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	281	-57.0	3	3			68	68	68	68	68	68	68	68	68	68	68	68								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53902 No. 125, Lee Fong Yuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	281	-57.0	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	281	-57.0	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53902 No. 125, Lee Fong Yuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	68	-44.6	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	79	-45.9	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	69	-44.8	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53902 No. 125, Lee Fong Yuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	68	-44.6	6	3																	80	80	80	80	80	80	80	80
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	79	-45.9	6	3					84	84	84	84	84	84	84	84	84	84	84	84						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	69	-44.8	3	3													79	79	79	79	79	79	79	79	79	79	79	79
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53902 No. 125, Lee Fong Yuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	68	-44.6	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	79	-45.9	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	69	-44.8	3	3	79	79	79																									
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53902 No. 125, Lee Fong Yuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													70	70	70	70	70	70	70	70	70	70	70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53902 No. 125, Lee Fong Yuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							68	68	68	68	68	68	68	68	84	84	84	84	84	84	84	84	84	84	84	84	79	79	79	79	79	79	79	79	79	79	79	79	83	83	83	83	83	83	83	83	79	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53902 No. 125, Lee Fong Yuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							79	79	79																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53903 Village house, Tin Ha Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	249	-55.9	5	3																					71	71	71	71	71	71	71	71	71	71
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	249	-55.9	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53903 Village house, Tin Ha Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	249	-55.9	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	249	-55.9	3	3			69	69	69	69	69	69	69	69	69	69	69	69	69	69						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53903 Village house, Tin Ha Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	249	-55.9	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	249	-55.9	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53903 Village house, Tin Ha Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	149	-51.4	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	80	-46.0	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	73	-45.2	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53903 Village house, Tin Ha Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	149	-51.4	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	80	-46.0	6	3					84	84	84	84	84	84	84	84	84	84	84	84						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	73	-45.2	3	3													79	79	79	79	79	79	79	79	79	79	79	79
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53903 Village house, Tin Ha Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	149	-51.4	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	80	-46.0	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	73	-45.2	3	3	79	79	79																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53903 Village house, Tin Ha Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																											71	71	71	71	71	71	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53903 Village house, Tin Ha Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							69	69	69	69	69	69	69	69	84	84	84	84	84	84	84	84	84	84	84	84	79	79	79	79	79	79	79	79	79	79	80	80	80	80	80	80	80	80	79	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53903 Village house, Tin Ha Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							79	79	79																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST02 No. 13, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	141.2	-51.0	5	3																									76	76	76	76
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	141.2	-51.0	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST02 No. 13, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	141.2	-51.0	5	3	76	76																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	141.2	-51.0	0	3							70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70					
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST02 No. 13, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4	Q1	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	141.2	-51.0	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	141.2	-51.0	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST02 No. 13, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	235.99	-55.4	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	256.68	-56.2	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST02 No. 13, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	235.99	-55.4	6	3	75	75	75	75	75	75	75	75	75	75	75	75															
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	256.68	-56.2	3	3				68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST02 No. 13, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	235.99	-55.4	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	256.68	-56.2	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST02 No. 13, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	294.06	-57.4	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																															76	76	76	76
																														76	76	76	76

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST02 No. 13, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	294.06	-57.4	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)							76	78	75	75	75	75	75	75	75	75	75	75	68	68	68	68	68	68	72	72	72	72	72	72	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST02 No. 13, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																								
S3C3-ii	Hung Shui Kiu Channel	114	3	294.06	-57.4	5	3									65	65	65	65	65	65	65	65	65	65	65	65	65	65				
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																								
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																								
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																								
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																								
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																								
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																								
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																								
	Predicted Noise Level , dB(A)															65	65	65	65	65	65	65	65	65	65	65	65	65	65				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST04 No.211, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024					
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	284.53	-57.1	5	3																									70	70	70
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	284.53	-57.1	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST04 No.211, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2025				2026				2027				2028				2029				2030				2031				203
									Q3		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	284.53	-57.1	5	3	70	70	70	70	70	70	70	70																					
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	284.53	-57.1	0	3											64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64				
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST04 No.211, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	32 Q3	32 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	284.53	-57.1	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	284.53	-57.1	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST04 No.211, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024					
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	231.98	-55.3	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	182	-53.2	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST04 No.211, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2025				2026				2027				2028				2029				2030				2031				20
									Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	231.98	-55.3	3	3					69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69							
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	182	-53.2	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST04 No.211, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	32		2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	231.98	-55.3	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	182	-53.2	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST04 No.211, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024					
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																															70	70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST04 No.211, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2025				2026				2027				2028				2029				2030				2031				20	
									Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							70	70	70	70	70	70	70	70	69	69	69	69	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	69	69	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST04 No.211, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	32		2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05a No. 143 ,Tin Sum (South Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05a No. 143 ,Tin Sum (South Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05a No. 143 ,Tin Sum (South Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05a No. 143 ,Tin Sum (South Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	175.31	-52.9	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	134.64	-50.6	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	210.61	-54.5	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	85.61	-46.6	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	220.28	-54.8	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	68.65	-44.7	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	105.71	-48.5	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	253	-56.1	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05a No. 143 ,Tin Sum (South Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	203 Q1	203 Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	175.31	-52.9	6	3									72	72	72	72	72	72	72	72						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	134.64	-50.6	6	3																	74	74	74	74	74	74	74	74	74	74		
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	210.61	-54.5	6	3					75	75	75	75	75	75	75	75	75	75	75	75						
S2C1-vf	Site formation for site 4-11	121	4	85.61	-46.6	6	3	83	83	83	83	83	83	83	83	83	83	83	83										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	220.28	-54.8	6	3									75	75	75	75	75	75	75	75	75	75	75	75		
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	68.65	-44.7	6	3					85	85	85	85	85	85	85	85	85	85	85	85						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	105.71	-48.5	3	3				75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75		
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	253	-56.1	3	3															68	68	68	68	68	68	68	68	68	68
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05a No. 143 ,Tin Sum (South Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	175.31	-52.9	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	134.64	-50.6	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	210.61	-54.5	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	85.61	-46.6	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	220.28	-54.8	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	68.65	-44.7	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	105.71	-48.5	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	253	-56.1	3	3	68	68	68																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05a No. 143 ,Tin Sum (South Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05a No. 143 ,Tin Sum (South Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							83	83	83	83	83	83	83	83	84	84	84	86	86	86	86	86	86	86	86	86	86	86	78	78	79	79	79	79	79	79	79	78	78	75	75	75	68	68	68	68	68	68	68	68	68	68	68	68	75	75	75	75	75	75	75	75	68	68	68	68	68	68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05a No. 143 ,Tin Sum (South Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							68	68	68																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05b No. 143, Tin Sum, (West Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05b No. 143, Tin Sum, (West Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05b No. 143, Tin Sum, (West Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05b No. 143, Tin Sum, (West Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	173.77	-52.8	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	143.84	-51.1	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	203.93	-54.2	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	76.23	-45.6	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	217.29	-54.7	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	57.04	-43.1	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	98.83	-47.9	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	262	-56.3	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05b No. 143, Tin Sum, (West Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	203 Q1	203 Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	173.77	-52.8	6	3									72	72	72	72	72	72	72	72						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	143.84	-51.1	6	3																	74	74	74	74	74	74	74	74	74			
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	203.93	-54.2	6	3					76	76	76	76	76	76	76	76										
S2C1-vf	Site formation for site 4-11	121	4	76.23	-45.6	6	3	84	84	84	84	84	84	84	84	84	84	84	84										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	217.29	-54.7	6	3									75	75	75	75	75	75	75	75	75	75	75	75		
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	57.04	-43.1	6	3					87	87	87	87	87	87	87	87										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	98.83	-47.9	3	3				76	76	76	76	76	76	76	76	76	76	76	76	76	76	76					
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	262	-56.3	3	3															68	68	68	68	68	68	68	68	68	68	68	68	68	68
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05b No. 143, Tin Sum, (West Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	173.77	-52.8	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	143.84	-51.1	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	203.93	-54.2	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	76.23	-45.6	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	217.29	-54.7	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	57.04	-43.1	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	98.83	-47.9	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	262	-56.3	3	3	68	68	68																											
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05b No. 143, Tin Sum, (West Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05b No. 143, Tin Sum, (West Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							84	84	84	84	84	84	84	84	85	85	85	87	87	87	87	87	87	87	87	87	87	87	79	79	79	79	79	79	79	79	79	79	79	76	76	76	68	68	68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST05b No. 143, Tin Sum, (West Façade)

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							68	68	68																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST06 No. 290, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024					
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	269.23	-56.6	5	3																									71	71	71
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	271.7	-56.7	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST06 No. 290, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2025			2026				2027				2028				2029				2030				2031				203
									Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	269.23	-56.6	5	3	71	71	71	71	71	71	71																				
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	271.7	-56.7	0	3											65	65	65	65	65	65	65	65	65	65	65	65	65	65					
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST06 No. 290, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	32 Q3	32 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	269.23	-56.6	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	271.7	-56.7	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST06 No. 290, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	108.27	-48.7	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	226.5	-55.1	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	241.33	-55.6	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	108.27	-48.7	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and assciated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	129.57	-50.2	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST06 No. 290, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2025				2026				2027				2028				2029				2030				2031				203
									Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	108.27	-48.7	6	3													76	76	76	76	76	76	76	76									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	226.5	-55.1	0	3																68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	241.33	-55.6	6	3									74	74	74	74	74	74	74	74	74	74											
S2C1-vf	Site formation for site 4-11	121	4	108.27	-48.7	6	3					81	81	81	81	81	81	81	81	81	81															
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and assciated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	129.57	-50.2	3	3								74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST06 No. 290, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	32 Q3	Q4	2033 Q1	Q2	Q3	Q4	2034 Q1	Q2	Q3	Q4	2035 Q1	Q2	Q3	Q4	2036 Q1	Q2	Q3	Q4	2037 Q1	Q2	Q3	Q4	2038 Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	108.27	-48.7	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	226.5	-55.1	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	241.33	-55.6	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	108.27	-48.7	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and assciated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	129.57	-50.2	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST06 No. 290, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024					
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	274.02	-56.7	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	236.52	-55.5	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																															71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST06 No. 290, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2025				2026				2027				2028				2029				2030				2031				203
									Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	274.02	-56.7	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	236.52	-55.5	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																													
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																													
	Predicted Noise Level , dB(A)							71	71	71	71	71	71	71	82	81	81	81	81	81	81	81	82	82	82	77	77	77	77	77	77	77	77	77	77	77	74	74	78	78	78	78	78	78	78	78	75	75	75	75	68	68	68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETST06 No. 290, Tin Sum

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	32 Q3	32 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	274.02	-56.7	9	3					72	72	72	72	72	72	72	72	72													
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	236.52	-55.5	9	3		76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)								76	76	76	76	76	76	76	77	77	77	77	77	77	77	77										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT01 No. 46A, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	202	-54.1	0	3	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67								
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	202	-54.1	0	3									70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70				
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	36	-39.1	5	3																									88	88	88	88
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									88	88	88	88
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	265	-56.4	6	3																									88	88	88	88
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									88	88	88	88
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									88	88	88	88
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	36	-39.1	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	251	-56.0	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT01 No. 46A, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	202	-54.1	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	202	-54.1	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	36	-39.1	5	3	88	88																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	265	-56.4	6	3		72	72	72	72	72	72	72	72	72	72	72															
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	36	-39.1	0	3							82	82	82	82	82	82	82	82	82	82	82	82	82	82							
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	251	-56.0	3	3							69	69	69	69	69	69	69	69	69	69	69	69	69	69							
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT01 No. 46A, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	202	-54.1	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	202	-54.1	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	36	-39.1	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	265	-56.4	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	36	-39.1	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	251	-56.0	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT01 No. 46A, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT01 No. 46A, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT01 No. 46A, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT01 No. 46A, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							67	67	67	67	67	67	67	67	67	67	67	67	71	71	71	71	71	71	71	71	70	70	70	70	70	70	70	70	88	88	88	88	88	88	88	88

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT01 No. 46A, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)							88	88	72	72	72	72	72	72	72	72	72	72	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT01 No. 46A, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																													
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																													
	Predicted Noise Level , dB(A)																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT03 No. 62, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	123	-49.8	0	3	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71								
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	123	-49.8	0	3									74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74				
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	161	-52.1	0	3											69	69	69	69	69	69	69	69	69	69	69	69	69	69				
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	161	-52.1	0	3													71	71	71	71	71	71	71	71	71	71	71					
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	116	-49.3	5	3																					78	78	78	78	78	78	78	78
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	28	-36.9	5	3																									90	90	90	90
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	165	-52.3	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	116	-49.3	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	95	-47.5	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	157	-51.9	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	220	-54.8	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT03 No. 62, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	123	-49.8	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	123	-49.8	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	161	-52.1	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	161	-52.1	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	116	-49.3	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	28	-36.9	5	3	90	90																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	165	-52.3	6	3		76	76	76	76	76	76	76	76	76	76																	
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	116	-49.3	3	3			75	75	75	75	75	75	75	75	75	75	75	75													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	95	-47.5	0	3								74	74	74	74	74	74	74	74	74	74	74									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	157	-51.9	3	3								73	73	73	73	73	73	73	73	73	73	73									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	220	-54.8	0	3																	67	67	67	67	67	67	67	67	67	67	67	67
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT03 No. 62, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	123	-49.8	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	123	-49.8	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	161	-52.1	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	161	-52.1	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	116	-49.3	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	28	-36.9	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	165	-52.3	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	116	-49.3	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	95	-47.5	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	157	-51.9	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	220	-54.8	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT03 No. 62, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT03 No. 62, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT03 No. 62, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																															
	STAGE 2																																					
	Development Stage 2 - Contract S2C1																																					
	District Distributor Road D6, D7 and D8, and local roads																																					
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																															
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																															
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																															
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																															
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																															
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																															
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																					
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																															
	Site formation and development for Fresh Water Service Reservoir																																					
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																															
	Site formation for residential & commercial developments, G/IC and Open Space areas																																					
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																															
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																															
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																															
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																															
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																															
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																															
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																															
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																															
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																															
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																															
	Site development for residential & commercial developments, G/IC and Open Space areas																																					
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																															
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																															
	Site formation for a new District Cooling System																																					
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																															
	Site development for a new District Cooling System																																					
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																															
	Development Stage 2 - Contract S2C2																																					
	District Distributor Road D1, a section of Road D3 and local roads																																					
S2C2-i	Road D3	116	2	n/a	--	3	3																															
S2C2-i	Road D1	116	2	n/a	--	3	3																															
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																															
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																															
	Site formation for a new HSK STW																																					
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																															
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																															
	Site development for a new HSK STW																																					
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																															
	A new Sewage Pumping Station SPS4 and associated rising mains																																					
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																															
	Associated rising mains																																					
	A new TSE reservoirs and associated pumping stations and rising mains																																					
S2C2-iv	site 5-40	131	1	n/a	--	0	3																															
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																					
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																															
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																															
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																															
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																															
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																					
	sites 3-9 and 3-4																																					
S2C2-vd	site 3-4	121	1	n/a	--	0	3																															
S2C2-vd	site 3-9	121	1	n/a	--	0	3																															
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																															
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																															
	sites 3-18 and 3-5																																					
S2C2-vd	site 3-18	121	1	n/a	--	0	3																															
S2C2-vd	site 3-5	121	1	n/a	--	0	3																															
S2C2-vd	site 3-1	121	2	n/a	--	3	3																															
	STAGE 3																																					
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																					
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																															
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																															
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																															
S3C1-i	Road D4	114	3	n/a	--	5	3																															
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																															
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																															
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																															
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																															
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																															
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																															
	Site formation for residential, commercial and G/IC sites																																					

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT03 No. 62, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	52	-42.3	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	175	-52.8	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	175	-52.8	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	76	76	76	76	76	77	77	77	77	77	75	75	75	75	75	77	77	77	77	77	77	77	77	76	76	76	76	76	76	76	71	71	78	78	78	78	78	78	78	78	78	90	90	90	90	90	90	90	90	90

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT03 No. 62, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	52	-42.3	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	175	-52.8	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	175	-52.8	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)							90	90	76	76	79	79	79	79	79	79	79	79	75	75	75	75	75	76	76	76	76	76	76	76	76	76	76	76	76	76	67	67	67

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT03 No. 62, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																								
S3C3-ii	Hung Shui Kiu Channel	114	3	52	-42.3	5	3													80	80	80	80	80	80	80	80	80	80	80	80
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	175	-52.8	9	3	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	175	-52.8	3	3			72	72	72	72	72	72	72	72	72	72	72	72	72	72								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																								
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																								
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																								
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																								
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																								
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																								
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																								
	Predicted Noise Level , dB(A)							78	78	78	78	78	78	79	79	79	79	79	79	79	79	79	79	72	72			80	80	80	80	80	80	80	80	80	80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT04 No. 254, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	252	-56.0	0	3	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65								
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	252	-56.0	0	3									68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	163	-52.2	0	3											69	69	69	69	69	69	69	69	69	69	69	69						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	163	-52.2	0	3															71	71	71	71	71	71	71	71	71	71	71	71	71	71
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	120	-49.6	5	3																							78	78	78	78	78	78
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	160	-52.1	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	269	-56.6	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	120	-49.6	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	246	-55.8	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	265	-56.4	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT04 No. 254, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	252	-56.0	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	252	-56.0	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	163	-52.2	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	163	-52.2	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	120	-49.6	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	160	-52.1	5	3	75	75																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	269	-56.6	6	3		72	72	72	72	72	72	72	72	72	72	72	72														
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	120	-49.6	3	3			75	75	75	75	75	75	75	75	75	75	75														
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	246	-55.8	0	3									66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	265	-56.4	3	3									68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT04 No. 254, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	252	-56.0	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	252	-56.0	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	163	-52.2	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	163	-52.2	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	120	-49.6	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	160	-52.1	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	269	-56.6	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	120	-49.6	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	246	-55.8	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	265	-56.4	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT04 No. 254, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT04 No. 254, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT04 No. 254, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT04 No. 254, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	158	-52.0	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	80	-46.0	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	282	-57.0	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	42	-40.4	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	220	-54.8	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	42	-40.4	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	220	-54.8	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	70	70	70	70	70	72	72	72	72	72	71	71	71	71	71	74	74	74	74	74	74	74	74	73	73	73	73	73	73	73	73	71	71	71	78	78	78	78	78	78	78	78	78	75	75	75	75	75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT04 No. 254, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	158	-52.0	0	3																									65	65	65
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	80	-46.0	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	282	-57.0	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	42	-40.4	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	220	-54.8	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	42	-40.4	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	220	-54.8	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)							75	75	72	72	77	77	77	77	77	77	77	77	75	75	75	75	75	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	65	65	65

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT04 No. 254, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033								2034								2035								2036								2037								2038							
								Q4			Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4	
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																																															
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																															
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																														
S3C1-iif	Sites 5~4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																																														
	Site development for residential, commercial and G/IC sites																																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																																														
	Development Stage 3 - Contract S3C2																																																			
	District Distributor Road D3 and D5																																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																																														
S3C2-i	Road D5	114	4	n/a	--	6	3																																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																														
	Slip roads connecting KSWH and Road D3																																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																														
	A new TSE reservoirs and associated pumping stations and rising mains																																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																														
	Site formation for Logistics and Enterprise & Technology Park sites																																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																													
	Site development for Logistics and Enterprise & Technology Park sites																																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																													
	Development Stage 3 - Contract S3C3																																																		
	Local Roads serving district open space																																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																													
S3C3-i	Local roads serving Site 1-29	114	1	158	-52.0	0	3	65	65	65																																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																																													
S3C3-ii	Hung Shui Kiu Channel	114	3	80	-46.0	5	3																																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	282	-57.0	0	3	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
	Site formation for G/IC sites																																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	42	-40.4	9	3	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	220	-54.8	9	3																									76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
	Site development for G/IC sites																																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	42	-40.4	3	3					85	85	85	85	85	85	85	85	85	85	85	85	85	85	85																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	220	-54.8	3	3																									70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	STAGE 4																																																		
	Development Stage 4 - Contract S4C1																																																		
	Removal of existing Tin Ying Road																																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																													
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																													
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																													
	Drainage Channel Re-vitalization																																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																												
	Local roads serving development sites																																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																													
	Site formation for a new District Cooling System																																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																													
	Site development for a new District Cooling System																																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																													
	Site development for residential, G/IC, commercial and Open Space Areas																																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																													
	Predicted Noise Level , dB(A)							91	91	91	91	91	91	92	92	92	92	92	92	92	92	92	92	92	92	92	85	85	85	78	78	78	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT05 No. 120, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT05 No. 120, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT05 No. 120, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT05 No. 120, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	146	-51.3	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	162	-52.2	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	162	-52.2	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	284	-57.0	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT05 No. 120, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	146	-51.3	6	3									73	73	73	73	73	73	73												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	162	-52.2	6	3	78	78	78	78	78	78	78	78	78	78	78	78															
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	162	-52.2	3	3				72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	284	-57.0	3	3																	70	70	70	70	70	70	70	70	70	70	70
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT05 No. 120, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	146	-51.3	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	162	-52.2	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	162	-52.2	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vf	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	284	-57.0	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT05 No. 120, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	188	-53.5	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	122	-49.7	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	45	-41.0	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	102	-48.2	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	238	-55.5	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	185	-53.3	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	35	-38.9	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	97	-47.7	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	185	-53.3	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	97	-47.7	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT05 No. 120, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				2031				2032		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	188	-53.5	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	122	-49.7	0	3																					68	68	68	68	68	68	68
S3C3-i	Local roads serving Site 1-29	114	1	45	-41.0	0	3																									76	76	76
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	102	-48.2	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	238	-55.5	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	185	-53.3	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	35	-38.9	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	97	-47.7	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	185	-53.3	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	97	-47.7	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)							78	78	78	78	78	78	78	78	79	79	79	72	72	72	72	72	76	76	76	76	76	76	72	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESLUT05 No. 120, San Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033								2034								2035								2036								2037								2038							
								Q4			Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4	
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																														
S3C1-iif	Sites 5~4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																																														
	Site development for residential, commercial and G/IC sites																																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																																														
	Development Stage 3 - Contract S3C2																																																			
	District Distributor Road D3 and D5																																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																																														
S3C2-i	Road D5	114	4	n/a	--	6	3																																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																														
	Slip roads connecting KSWH and Road D3																																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																														
	A new TSE reservoirs and associated pumping stations and rising mains																																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																														
	Site formation for Logistics and Enterprise & Technology Park sites																																																		
S3C2-iv	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																														
S3C2-iv	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																														
S3C2-iv	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	188	-53.5	9	3								75	75	75	75	75	75	75	75	75	75	75																												
	Site development for Logistics and Enterprise & Technology Park sites																																																		
S3C2-iv	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																														
S3C2-iv	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																														
S3C2-iv	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																														
	Development Stage 3 - Contract S3C3																																																		
	Local Roads serving district open space																																																		
S3C3-i	Local roads serving Site 1-27	114	1	122	-49.7	0	3																																														
S3C3-i	Local roads serving Site 1-29	114	1	45	-41.0	0	3	76	76	76																																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																																		
S3C3-ii	Tim Sam Channel	114	3	102	-48.2	5	3											74	74	74	74	74	74	74	74	74	74	74																											
S3C3-ii	Hung Shui Kiu Channel	114	3	238	-55.5	5	3																																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	185	-53.3	0	3	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
	Site formation for G/IC sites																																																		
S3C3-iv	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	35	-38.9	9	3	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92																											
S3C3-iv	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	97	-47.7	9	3																						84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
	Site development for G/IC sites																																																		
S3C3-iv	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	185	-53.3	3	3					72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72																											
S3C3-iv	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	97	-47.7	3	3																							78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
	STAGE 4																																																		
	Development Stage 4 - Contract S4C1																																																		
	Removal of existing Tin Ying Road																																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																														
	Drainage Channel Re-vitalization																																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																														
	Local roads serving development sites																																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																														
	Site formation for a new District Cooling System																																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																														
	Site development for a new District Cooling System																																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																														
	Site development for residential, G/IC, commercial and Open Space Areas																																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																														
	Predicted Noise Level , dB(A)							93	93	93	92	92	92	92	93	93	93	93	93	93	93	93	93	93	84	84	84	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EBC01 House 15, Bellevue Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	203	-54.1	0	3	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	203	-54.1	0	3									69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69				
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	111	-48.9	0	3											72	72	72	72	72	72	72	72	72	72	72	72	72	72				
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	111	-48.9	0	3															75	75	75	75	75	75	75	75	75	75	75	75	75	75
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	73	-45.2	5	3																							82	82	82	82	82	82
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	215	-54.6	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	73	-45.2	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	215	-54.6	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	246	-55.8	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EBC01 House 15, Bellevue Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	203	-54.1	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	203	-54.1	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	111	-48.9	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	111	-48.9	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	73	-45.2	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	215	-54.6	6	3	74	74	74	74	74	74	74	74	74	74												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	73	-45.2	3	3			79	79	79	79	79	79	79	79	79	79	79	79								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	215	-54.6	3	3									70	70	70	70	70	70	70	70	70	70	70	70		
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	246	-55.8	0	3																	66	66	66	66	66	66
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EBC01 House 15, Bellevue Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	203	-54.1	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	203	-54.1	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	111	-48.9	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	111	-48.9	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	73	-45.2	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	215	-54.6	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	73	-45.2	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	215	-54.6	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	246	-55.8	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EBC01 House 15, Bellevue Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EBC01 House 15, Bellevue Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EBC01 House 15, Bellevue Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EBC01 House 15, Bellevue Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	184	-53.3	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	31	-37.8	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	56	-42.9	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	245	-55.8	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	56	-42.9	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	245	-55.8	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	71	71	71	71	71	75	75	75	75	75	75	75	74	74	74	74	74	74	77	77	77	77	77	77	77	77	76	76	76	76	76	76	76	76	75	75	75	82	82	82	82	82	82	82	82	82	82

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EBC01 House 15, Bellevue Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	184	-53.3	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	31	-37.8	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	56	-42.9	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	245	-55.8	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	56	-42.9	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	245	-55.8	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
					Predicted Noise Level , dB(A)			74	74	80	80	80	80	80	80	80	80	79	79	79	79	79	70	70	70	70	70	70	70	70	70	70	70	70	70	66	66	66	66	66	66	66	66	66	66	66	66	66	66

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EBC01 House 15, Bellevue Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	184	-53.3	0	3			64	64	64	64	64	64	64	64	64	64	64	64														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	31	-37.8	5	3														84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	56	-42.9	9	3						88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	245	-55.8	9	3															75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	56	-42.9	3	3								82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	245	-55.8	3	3													69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)									64	64	64	64	64	64	64	64	88	88	88	88	88	88	89	89	89	89	89	89	89	89	89	89	89	89	89	89
										83	83	76	76	76	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53905 Village House, Hung Shui Kiu Tin Sam Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	172	-52.7	0	3	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68				
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	172	-52.7	0	3									71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71				
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	276	-56.8	5	3																					70	70	70	70	70	70	70	70
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	79	-45.9	5	3																									70	70	81	81
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									81	81	81	81
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	233	-55.3	6	3																									81	81	81	81
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									81	81	81	81
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									81	81	81	81
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	276	-56.8	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	51	-42.1	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	221	-54.9	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	296	-57.4	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53905 Village House, Hung Shui Kiu Tin Sam Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	172	-52.7	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	172	-52.7	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	276	-56.8	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	79	-45.9	5	3	81	81																				
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	233	-55.3	6	3		73	73	73	73	73	73	73	73	73	73												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	276	-56.8	3	3			68	68	68	68	68	68	68	68	68	68	68	68	68							
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	51	-42.1	0	3									79	79	79	79	79	79	79	79	79	79	79	79		
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	221	-54.9	3	3									70	70	70	70	70	70	70	70	70	70	70	70		
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	296	-57.4	0	3																	64	64	64	64	64	64
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53905 Village House, Hung Shui Kiu Tin Sam Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	172	-52.7	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	172	-52.7	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	276	-56.8	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	79	-45.9	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	233	-55.3	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	276	-56.8	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	51	-42.1	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	221	-54.9	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	296	-57.4	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53905 Village House, Hung Shui Kiu Tin Sam Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53905 Village House, Hung Shui Kiu Tin Sam Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53905 Village House, Hung Shui Kiu Tin Sam Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53905 Village House, Hung Shui Kiu Tin Sam Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	125	-49.9	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)		68	68	68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53905 Village House, Hung Shui Kiu Tin Sam Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	125	-49.9	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
					Predicted Noise Level , dB(A)			81	81	73	73	74	74	74	74	74	74	74	74	68	68	68	68	68	68	80	80	80	80	80	80	80	80	80	80	80	80	80	80	64	64	64	64	64	64	64	64	64	64	64	64

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53905 Village House, Hung Shui Kiu Tin Sam Road

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	125	-49.9	5	3														72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																				72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53906 Flat C, Tin Sam Villa

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	163	-52.2	0	3	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69								
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	163	-52.2	0	3									71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	271	-56.6	5	3																					71	71	71	71	71	71	71	71
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	198	-53.9	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	271	-56.6	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	186	-53.4	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	245	-55.8	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53906 Flat C, Tin Sam Villa

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	163	-52.2	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	163	-52.2	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	271	-56.6	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	198	-53.9	6	3	75	75	75	75	75	75	75	75	75	75	75	75										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	271	-56.6	3	3			68	68	68	68	68	68	68	68	68	68	68	68								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	186	-53.4	3	3									71	71	71	71	71	71	71	71	71	71	71	71		
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	245	-55.8	0	3																	66	66	66	66	66	66
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53906 Flat C, Tin Sam Villa

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	163	-52.2	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	163	-52.2	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	271	-56.6	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	198	-53.9	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	271	-56.6	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	186	-53.4	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	245	-55.8	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53906 Flat C, Tin Sam Villa

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53906 Flat C, Tin Sam Villa

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53906 Flat C, Tin Sam Villa

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53906 Flat C, Tin Sam Villa

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	24	-35.6	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	73	73	73	73	73	73	73	73	73	73	73	73	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53906 Flat C, Tin Sam Villa

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	24	-35.6	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							75	75	75	75	75	75	75	75	75	75	75	68	68	68	68	68	68	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
								66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53906 Flat C, Tin Sam Villa

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	24	-35.6	5	3														86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																				86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53104 Flat C, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	171	-52.6	5	3																									75	75	75	75
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	159	-52.0	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53104 Flat C, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	171	-52.6	5	3	75	75																				
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	159	-52.0	0	3							69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69		
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53104 Flat C, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	171	-52.6	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	159	-52.0	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53104 Flat C, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53104 Flat C, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53104 Flat C, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53104 Flat C, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	36	-39.1	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)																												75	75	75	75
																																75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53104 Flat C, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	36	-39.1	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							75	75							69	69	69	69	69	69	69	69	69	69	69	69	69	69		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53104 Flat C, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	36	-39.1	5	3														83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																				83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53106 Flat D, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	85	-46.6	0	3	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	85	-46.6	0	3	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	242	-55.7	0	3											65	65	65	65	65	65	65	65	65	65	65	65						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	242	-55.7	0	3															68	68	68	68	68	68	68	68	68	68	68	68
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	186	-53.4	5	3																					74	74	74	74	74	74
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	163	-52.2	5	3																									75	75
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	101	-48.1	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	187	-53.4	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	151	-51.6	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	96	-47.6	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	144	-51.1	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53106 Flat D, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	85	-46.6	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	85	-46.6	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	242	-55.7	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	242	-55.7	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	186	-53.4	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	163	-52.2	5	3	75	75																				
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	101	-48.1	6	3		80	80	80	80	80	80	80	80	80	80	80										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	187	-53.4	3	3			71	71	71	71	71	71	71	71	71	71	71	71	71	71						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	151	-51.6	0	3									70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	96	-47.6	3	3									77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	144	-51.1	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53106 Flat D, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	85	-46.6	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	85	-46.6	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	242	-55.7	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	242	-55.7	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	186	-53.4	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	163	-52.2	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	101	-48.1	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	187	-53.4	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	151	-51.6	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	96	-47.6	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	144	-51.1	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53106 Flat D, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53106 Flat D, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53106 Flat D, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53106 Flat D, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	40	-40.0	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)		75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	79	79	79	79	79	79	79	79	79	79	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78	68	68	68	74	74	74	74	74	74	74	74	74	74	74	75	75	75	75	75	75	75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53106 Flat D, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	40	-40.0	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							75	75	80	80	81	81	81	81	81	81	81	81	71	71	71	71	71	78	78	78	78	78	78	78	78	78	78	78	78	78	78	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E53106 Flat D, Block 1, Aster Court

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	40	-40.0	5	3														82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																				82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52503 Hung Long House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52503 Hung Long House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52503 Hung Long House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52503 Hung Long House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	197	-53.9	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52503 Hung Long House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	197	-53.9	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52503 Hung Long House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	197	-53.9	5	3															68	68	68	68	68	68	68	68	68	68						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52503 Hung Long House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	143	-51.1	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	143	-51.1	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52503 Hung Long House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	203 Q1	203 Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	143	-51.1	8	3																					82	82
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	143	-51.1	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)																											82	82

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52503 Hung Long House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1				2032				2033				2034				2035				2036				2037				2038			
								Q3			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																																
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	143	-51.1	8	3	82	82	82	#	#	#	82																										
	Site development for residential, commercial and G/IC sites																																						
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																																
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	143	-51.1	8	3													79	79	79	79	79	79	79	79	79	79	79	79	79	#	#	#				
	Development Stage 3 - Contract S3C2																																						
	District Distributor Road D3 and D5																																						
S3C2-i	Road D3	114	4	n/a	--	6	3																																
S3C2-i	Road D5	114	4	n/a	--	6	3																																
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																
	Slip roads connecting KSWH and Road D3																																						
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																
	A new TSE reservoirs and associated pumping stations and rising mains																																						
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																
	Site formation for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																
	Site development for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																
	Development Stage 3 - Contract S3C3																																						
	Local Roads serving district open space																																						
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																						
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																																
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																																
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																						
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																																
	Site formation for G/IC sites																																						
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																																
	Site development for G/IC sites																																						
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																																
	STAGE 4																																						
	Development Stage 4 - Contract S4C1																																						
	Removal of existing Tin Ying Road																																						
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																
	Drainage Channel Re-vitalization																																						
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																
	Stormwater Storage Tank near Tin Shui Wai Channel																																						
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																
	Local roads serving development sites																																						
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																
	Site formation for a new District Cooling System																																						
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																
	Site development for a new District Cooling System																																						
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																
	Site formation for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																
	Site development for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																
	Predicted Noise Level , dB(A)							82	82	82	#	#	#	82						68	68	68	68	68	68	68	68	68	68	79	79	79	79	79	79	79	79	79	79	79	79	#	#	#				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52504 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	201	-54.0	0	3	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	201	-54.0	0	3									70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70				
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	88	-46.9	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	103	-48.2	0	3																									74	74	74	74
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	123	-49.8	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	67	-44.5	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52504 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	201	-54.0	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	201	-54.0	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	88	-46.9	6	3			82	82	82	82	82	82	82	82	82	82										
AWC1-vf	Site formation for Site 5-32	119	1	103	-48.2	0	3	74	74																				
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	123	-49.8	3	3							75	75	75	75	75	75	75	75	75	75	75	75	75	75				
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	67	-44.5	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						
																				77	77	77	77	77	77	77	77	77	77

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52504 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	201	-54.0	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	201	-54.0	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	88	-46.9	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	103	-48.2	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	123	-49.8	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	67	-44.5	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52504 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52504 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	203 Q1	203 Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52504 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52504 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	242	-55.7	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)		67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	71	71	71	71	71	71	71	71	71	71	71	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	74	74	74	74	74	74	74	74

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52504 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	242	-55.7	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							74	74	82	82	82	82	82	82	82	82	82	82					75	75	75	75	75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52504 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	242	-55.7	5	3														66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																				66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52505 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	170	-52.6	0	3	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69				
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	170	-52.6	0	3									71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71				
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	111	-48.9	0	3											72	72	72	72	72	72	72	72	72	72	72	72	72	72				
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	111	-48.9	0	3															75	75	75	75	75	75	75	75	75	75	75	75	75	75
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	62	-43.8	5	3																							83	83	83	83	83	83
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	268	-56.5	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	70	-44.9	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	62	-43.8	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	292	-57.3	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	108	-48.7	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	52	-42.3	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52505 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	203 Q1	203 Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	170	-52.6	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	170	-52.6	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	111	-48.9	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	111	-48.9	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	62	-43.8	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	268	-56.5	5	3	71	71																				
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	70	-44.9	6	3		84	84	84	84	84	84	84	84	84	84	84										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	62	-43.8	3	3			81	81	81	81	81	81	81	81	81	81	81	81								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	292	-57.3	0	3								64	64	64	64	64	64	64	64	64	64	64	64	64			
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	108	-48.7	3	3								76	76	76	76	76	76	76	76	76	76	76	76	76			
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	52	-42.3	0	3													79	79	79	79	79	79	79	79	79	79
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52505 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	170	-52.6	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	170	-52.6	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	111	-48.9	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	111	-48.9	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	62	-43.8	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	268	-56.5	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	70	-44.9	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	62	-43.8	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	292	-57.3	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	108	-48.7	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	52	-42.3	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52505 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52505 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52505 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52505 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	211	-54.5	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)		69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	73	73	73	73	73	76	76	76	76	76	76	75	75	75	75	75	75	78	78	78	78	78	78	78	78	78	78	76	76	76	76	76	76	76	76	76	75	75	75	83	83	83	83	83	83	83	83	83	71	71	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52505 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	211	-54.5	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							71	71	84	84	85	85	85	85	85	85	85	85	81	81	81	81	81	76	76	76	76	76	76	76	76	76	76	76	76	76	79	79	79	79	79	79	79	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52505 Hung Yan House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	211	-54.5	5	3														67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																				67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52506 Hung Shing House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	273	-56.7	0	3	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64								
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	273	-56.7	0	3									67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	72	-45.1	0	3											76	76	76	76	76	76	76	76	76	76	76	76						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	72	-45.1	0	3															78	78	78	78	78	78	78	78	78	78	78	78	78	78
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	93	-47.4	5	3																					80	80	80	80	80	80	80	80
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	278	-56.9	5	3																									70	70	70	70
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	216	-54.7	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	93	-47.4	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	237	-55.5	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	217	-54.7	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52506 Hung Shing House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	273	-56.7	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	273	-56.7	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	72	-45.1	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	72	-45.1	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	93	-47.4	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	278	-56.9	5	3	70	70																				
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	216	-54.7	6	3		74	74	74	74	74	74	74	74	74	74												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	93	-47.4	3	3			77	77	77	77	77	77	77	77	77	77	77	77								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	237	-55.5	3	3									69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	217	-54.7	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						
																				67	67	67	67	67	67	67	67	67	67

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52506 Hung Shing House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	273	-56.7	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	273	-56.7	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	72	-45.1	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	72	-45.1	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	93	-47.4	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	278	-56.9	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	216	-54.7	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	93	-47.4	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	237	-55.5	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	217	-54.7	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52506 Hung Shing House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52506 Hung Shing House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52506 Hung Shing House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52506 Hung Shing House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	217	-54.7	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	134	-50.5	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	220	-54.8	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	261	-56.3	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	196	-53.8	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	261	-56.3	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
					Predicted Noise Level , dB(A)			64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	69	69	69	69	69	77	77	77	77	77	77	76	76	76	76	76	76	81	81	81	81	81	81	81	81	81	81	79	79	79	79	79	79	79	79	78	78	78	80	80	80	80	80	80	80	80	80	80	80	70	70	70	70	70	70	70	70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52506 Hung Shing House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				203	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	217	-54.7	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	134	-50.5	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	220	-54.8	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	261	-56.3	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	196	-53.8	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	261	-56.3	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							70	70	74	74	79	79	79	79	79	79	79	79	77	77	77	77	77	77	69	69	69	69	69	69	69	69	69	69	69	69	69	69	67	67	67	67	67	67	67	67	67	67	67	67		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E52506 Hung Shing House, Hung Fuk Estate

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	1 Q3	1 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	217	-54.7	0	3			63	63	63	63	63	63	63	63	63	63	63	63														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	134	-50.5	5	3														71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	220	-54.8	9	3						76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	261	-56.3	9	3															75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	196	-53.8	3	3								71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	261	-56.3	3	3													69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)									63	63	63	63	63	63	63	63	77	77	77	76	76	76	78	78	78	78	78	78	78	78	78	78	77	77	77	76	76	77	77	77	77	77	77	77	77	77

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT01 No. 141, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024					
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT01 No. 141, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2025		2026				2027				2028				2029				2030				2031				
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT01 No. 141, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																				
	Advanced Works - Phase 1 - Contract AWC1																																				
	Site formation for residential site 5-26																																				
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																														
	Site development for residential site 5-26																																				
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																														
	Advanced Works - Phase 2 - Contract AWC2																																				
	Site formation for ESS 1																																				
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																														
	Site formation for residential site 4-20, 5-24																																				
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																														
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																														
	Site development for residential site 4-20, 5-24																																				
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																														
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																														
	Advanced Works - Phase 3 - Contract AWC3																																				
	Site formation for residential, G/IC, commercial and industrial development areas																																				
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																														
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																														
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																														
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																														
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																														
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																														
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																														
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																														
	Site development for residential, G/IC, commercial and industrial development areas																																				
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																														
AWC1-vd	Site development for Site 5-36	118																																			
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																														
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																														
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																														
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																														
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																														
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																														
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																				
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																														
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																														
	Advance Works Stage - Contract AWC4																																				
	Road P1 and associated works, and other District Distributors																																				
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																														
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																														
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																														
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																														
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																														
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																														
	Slip Roads (Connection between Road P1 and KSWH)																																				
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																														
	STAGE 1																																				
	Development Stage 1 - Contract S1C1																																				
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																				
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																														
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																														
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use site																																				
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																														
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																														
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																														
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																														
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																														
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																														
	Site development for Port Back-up and Storage Use site																																				
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																														
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																														
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																														
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																														
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT01 No. 141, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024					
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and assciated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	131	-50.3	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT01 No. 141, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2025				2026				2027				2028				2029				2030				2031				
									Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and assciated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	131	-50.3	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT01 No. 141, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q2	Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and assciated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	131	-50.3	5	3					72	72	72	72	72	72	72	72	72	72														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT01 No. 141, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	93	-47.4	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	93	-47.4	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
					Predicted Noise Level , dB(A)																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT01 No. 141, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2025				2026				2027				2028				2029				2030				2031					
										Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	93	-47.4	8	3																									86	86	86	86	86
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	93	-47.4	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																															86	86	86	86	86

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT01 No. 141, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q2	Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	93	-47.4	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	93	-47.4	8	3											83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)											72	72	72	72	72	72	72	72	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT02 No. 81A, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT02 No. 81A, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT02 No. 81A, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT02 No. 81A, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	44	-40.9	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT02 No. 81A, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	44	-40.9	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT02 No. 81A, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	44	-40.9	5	3											81	81	81	81	81	81	81	81	81	81										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT02 No. 81A, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	151	-51.6	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	103	-48.2	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	103	-48.2	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT02 No. 81A, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	151	-51.6	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	103	-48.2	8	3																					85	85
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	103	-48.2	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)																											85	85

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT02 No. 81A, Hung Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31				2032				2033				2034				2035				2036				2037				2038			
								Q3			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	151	-51.6	6	3					80	80	80	80	80	80	80	80	80	80	80	80														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	103	-48.2	8	3	85	85	85	85	85	85																								
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	103	-48.2	8	3															82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							85	85	85	85	85	85	80	80	80	80	80	80	80	80	80	80	80	80	81	81	81	81	81	81	81	81	81	81	82	82	82	82

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT03 No. 112, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT03 No. 112, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT03 No. 112, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT03 No. 112, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	84	-46.5	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT03 No. 112, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	84	-46.5	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT03 No. 112, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	84	-46.5	5	3											76	76	76	76	76	76	76	76	76	76										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT03 No. 112, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	70	-44.9	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	160	-52.1	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	160	-52.1	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT03 No. 112, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	70	-44.9	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	160	-52.1	8	3																					81	81
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	160	-52.1	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)																											81	81

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT03 No. 112, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31				2032				2033				2034				2035				2036				2037				2038			
								Q3			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																																
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	70	-44.9	6	3					86	86	86	86	86	86	86	86	86	86	86	86																
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	160	-52.1	8	3	81	81	81	81	81	81	81																									
	Site development for residential, commercial and G/IC sites																																						
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																																
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	160	-52.1	8	3															78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
	Development Stage 3 - Contract S3C2																																						
	District Distributor Road D3 and D5																																						
S3C2-i	Road D3	114	4	n/a	--	6	3																																
S3C2-i	Road D5	114	4	n/a	--	6	3																																
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																
	Slip roads connecting KSWH and Road D3																																						
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																
	A new TSE reservoirs and associated pumping stations and rising mains																																						
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																
	Site formation for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																
	Site development for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																
	Development Stage 3 - Contract S3C3																																						
	Local Roads serving district open space																																						
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																						
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																																
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																																
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																						
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																																
	Site formation for G/IC sites																																						
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																																
	Site development for G/IC sites																																						
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																																
	STAGE 4																																						
	Development Stage 4 - Contract S4C1																																						
	Removal of existing Tin Ying Road																																						
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																
	Drainage Channel Re-vitalization																																						
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																
	Stormwater Storage Tank near Tin Shui Wai Channel																																						
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																
	Local roads serving development sites																																						
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																
	Site formation for a new District Cooling System																																						
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																
	Site development for a new District Cooling System																																						
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																
	Site formation for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																
	Site development for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																
	Predicted Noise Level , dB(A)							81	81	81	81	81	81	81	86	86	86	86	86	86	86	86	86	86	86	86	76	76	76	76	76	76	76	76	76	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT04 No. 85A, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT04 No. 85A, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT04 No. 85A, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT04 No. 85A, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	85	-46.6	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT04 No. 85A, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	85	-46.6	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT04 No. 85A, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	85	-46.6	5	3											76	76	76	76	76	76	76	76	76	76										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT04 No. 85A, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	62	-43.8	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT04 No. 85A, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	62	-43.8	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHUT04 No. 85A, Kiu Tau Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	62	-43.8	6	3			87	87	87	87	87	87	87	87	87	87	87	87																
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)									87	87	87	87	87	87	87	87	87	87	87	87	76	76	76	76	76	76	76	76								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	272.92	-56.7	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	277.84	-56.9	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	189.23	-53.5	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	168.46	-52.5	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	28.53	-37.1	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	87.77	-46.8	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	201.77	-54.1	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	158.63	-52.0	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	91.59	-47.2	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	290.19	-57.2	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	91.59	-47.2	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	272.92	-56.7	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	277.84	-56.9	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	189.23	-53.5	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	168.46	-52.5	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	28.53	-37.1	0	3																					80	80
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	87.77	-46.8	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	201.77	-54.1	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	158.63	-52.0	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	91.59	-47.2	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	290.19	-57.2	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	91.59	-47.2	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
					Predicted Noise Level , dB(A)																								80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	272.92	-56.7	6	3					67	67	67	67	67	67	67	67	67	67	67	67	67	67										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	277.84	-56.9	9	3		72	72	72	72	72	72	72	72	72																		
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	189.23	-53.5	9	3										75	75	75	75	75	75	75	75	75										
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	168.46	-52.5	8	3						77	77	77	77	77	77	77	77	77														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	28.53	-37.1	0	3	80	80	80	80	80	80																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	87.77	-46.8	5	3												75	75	75	75	75	75	75	75	75	75	75						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	201.77	-54.1	0	3						71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	158.63	-52.0	9	3						79	79	79	79	79	79	79	79	79	79	79	79	79										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	91.59	-47.2	9	3															84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	290.19	-57.2	3	3								68	68	68	68	68	68	68	68	68	68	68	68	68	68								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	91.59	-47.2	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							80	80	80	81	81	81	72	72	72	72	72	72	73	67	67	82	82	82	82	82	82	82	83	83	83	82	82	82	82	82	82	85	85	85	86	86	86	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT04 Village house, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	75	-45.5	0	3									76	76	76	76	76	76	76	76	76	76	76	76								
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	99	-47.9	5	3																							79	79	79	79	79	79	79	79
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	99	-47.9	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT04 Village house, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	75	-45.5	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	99	-47.9	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	99	-47.9	3	3												77	77	77	77	77	77	77	77	77	77	77	77	77
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT04 Village house, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	75	-45.5	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	99	-47.9	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	99	-47.9	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT04 Village house, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	69	-44.8	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	274	-56.7	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT04 Village house, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	69	-44.8	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	274	-56.7	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT04 Village house, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	69	-44.8	5	3			77	77	77	77	77																							
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	274	-56.7	5	3													65	65	65	65	65	65	65	65	65	65								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT04 Village house, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	134	-50.5	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	134	-50.5	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	234	-55.4	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	259	-56.2	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	259	-56.2	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	163	-52.2	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)											76	76	76	76	76	76	76	76	76	76	76	76					79	79	79	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT04 Village house, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	134	-50.5	8	3																					82	82
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	134	-50.5	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	234	-55.4	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	259	-56.2	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	259	-56.2	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	163	-52.2	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)															77	77	77	77	77	77	77	77	77	77	77	77	82	82

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT04 Village house, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31						2032				2033				2034				2035				2036				2037				2038			
								Q3			Q4			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																																
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	134	-50.5	8	3	82	82	82	82	82	82	82																									
	Site development for residential, commercial and G/IC sites																																						
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																																
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	134	-50.5	8	3																80	80	80	80	80	80	80	80	80	80	80	80	80	80	80				
	Development Stage 3 - Contract S3C2																																						
	District Distributor Road D3 and D5																																						
S3C2-i	Road D3	114	4	n/a	--	6	3																																
S3C2-i	Road D5	114	4	n/a	--	6	3																																
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																
	Slip roads connecting KSWH and Road D3																																						
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																
	A new TSE reservoirs and associated pumping stations and rising mains																																						
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																
	Site formation for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																
	Site development for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																
	Development Stage 3 - Contract S3C3																																						
	Local Roads serving district open space																																						
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																
S3C3-i	Local roads serving Site 1-29	114	1	234	-55.4	0	3							62	62	62	62	62	62	62	62	62	62	62																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																						
S3C3-ii	Tim Sam Channel	114	3	259	-56.2	5	3														66	66	66	66	66	66	66	66	66											
S3C3-ii	Hung Shui Kiu Channel	114	3	259	-56.2	5	3																																
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																						
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	163	-52.2	0	3																																
	Site formation for G/IC sites																																						
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																																
	Site development for G/IC sites																																						
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																																
	STAGE 4																																						
	Development Stage 4 - Contract S4C1																																						
	Removal of existing Tin Ying Road																																						
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																
	Drainage Channel Re-vitalization																																						
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																
	Stormwater Storage Tank near Tin Shui Wai Channel																																						
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																
	Local roads serving development sites																																						
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																
	Site formation for a new District Cooling System																																						
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																
	Site development for a new District Cooling System																																						
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																
	Site formation for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																
	Site development for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																
	Predicted Noise Level , dB(A)							82	82	82	82	84	84	84	78	62	62	62	62	62	62	73	73	73	73	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74

	STAGE 4																																						
	Development Stage 4 - Contract S4C1																																						
	Removal of existing Tin Ying Road																																						
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																
	Drainage Channel Re-vitalization																																						
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																
	Stormwater Storage Tank near Tin Shui Wai Channel																																						
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																
	Local roads serving development sites																																						
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																
	Site formation for a new District Cooling System																																						
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																
	Site development for a new District Cooling System																																						
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																
	Site formation for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																
	Site development for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																
	Predicted Noise Level , dB(A)							81	81	81	81	81	81	81	81	81	81	81	81	81	81	80	80	80																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT05 No. 215, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	252.67	-56.0	5	3																					71	71	71	71	71	71	71	71
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	222.12	-54.9	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	259.61	-56.3	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT05 No. 215, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	252.67	-56.0	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	222.12	-54.9	5	3	72	72	72	72	72	72	72	72	72	72												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	259.61	-56.3	3	3												68	68	68	68	68	68	68	68	68	68	68	68	68
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT05 No. 215, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	252.67	-56.0	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	222.12	-54.9	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	259.61	-56.3	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT05 No. 215, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT05 No. 215, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT05 No. 215, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT05 No. 215, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	249.49	-55.9	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	155.51	-51.8	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	32.4	-38.2	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	177.82	-53.0	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	110.68	-48.9	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	163.47	-52.3	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	67.17	-44.5	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	214.53	-54.6	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT05 No. 215, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	249.49	-55.9	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	155.51	-51.8	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	32.4	-38.2	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	177.82	-53.0	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	110.68	-48.9	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	163.47	-52.3	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	67.17	-44.5	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	214.53	-54.6	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							72	72	72	72	72	72	72	72	72	72	72	72	68	68	68	68	68	68	68	68	68	68	68	68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT05 No. 215, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	249.49	-55.9	0	3			62	62	62	62	62	62	62	62	62	62	62	62														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	155.51	-51.8	5	3											70	70	70	70	70	70	70	70	70	70	70	70						
S3C3-ii	Hung Shui Kiu Channel	114	3	32.4	-38.2	5	3															84	84	84	84	84	84	84	84	84	84	84	84		
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	177.82	-53.0	0	3						72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	110.68	-48.9	9	3						82	82	82	82	82	82	82	82	82	82	82	82	82	82	82							
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	163.47	-52.3	9	3															79	79	79	79	79	79	79	79	79	79	79	79		
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	67.17	-44.5	3	3								81	81	81	81	81	81	81	81	81	81	81	81	81							
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	214.53	-54.6	3	3														71	71	71	71	71	71	71	71	71	71	71	71		
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)									62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT06 No. 201, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT06 No. 201, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT06 No. 201, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT06 No. 201, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT06 No. 201, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT06 No. 201, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT06 No. 201, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	248.32	-55.9	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	238.02	-55.5	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	30.71	-37.7	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	265.41	-56.5	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	126.32	-50.0	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	102.96	-48.2	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	105.07	-48.4	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	104.91	-48.4	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT06 No. 201, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	248.32	-55.9	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	238.02	-55.5	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	30.71	-37.7	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	265.41	-56.5	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	126.32	-50.0	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	102.96	-48.2	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	105.07	-48.4	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	104.91	-48.4	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESPT06 No. 201, Shek Po Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	248.32	-55.9	0	3			62	62	62	62	62	62	62	62	62	62	62	62														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	238.02	-55.5	5	3											66	66	66	66	66	66	66	66	66	66	66	66						
S3C3-ii	Hung Shui Kiu Channel	114	3	30.71	-37.7	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	265.41	-56.5	0	3						69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	126.32	-50.0	9	3						81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	102.96	-48.2	9	3														83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	105.07	-48.4	3	3								77	77	77	77	77	77	77	77	77	77	77	77	77	77						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	104.91	-48.4	3	3												77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)									62	62	62	62	62	62	62	62	82	82	82	81	81	81	83	83	83	83	83	83	83	83	83	83	83	83
										84	84	84	84	84	84	84	84	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	272.92	-56.7	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	277.84	-56.9	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	189.23	-53.5	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	168.46	-52.5	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	28.53	-37.1	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	87.77	-46.8	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	201.77	-54.1	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	158.63	-52.0	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	91.59	-47.2	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	290.19	-57.2	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	91.59	-47.2	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	272.92	-56.7	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	277.84	-56.9	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	189.23	-53.5	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	168.46	-52.5	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	28.53	-37.1	0	3																					80	80
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	87.77	-46.8	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	201.77	-54.1	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	158.63	-52.0	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	91.59	-47.2	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	290.19	-57.2	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	91.59	-47.2	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
					Predicted Noise Level , dB(A)																								80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST01 Block L, Bun Shing Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	272.92	-56.7	6	3					67	67	67	67	67	67	67	67	67	67	67	67	67	67										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	277.84	-56.9	9	3		72	72	72	72	72	72	72	72	72																		
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	189.23	-53.5	9	3										75	75	75	75	75	75	75	75	75										
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	168.46	-52.5	8	3						77	77	77	77	77	77	77	77	77														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	28.53	-37.1	0	3	80	80	80	80	80	80																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	87.77	-46.8	5	3												75	75	75	75	75	75	75	75	75	75	75						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	201.77	-54.1	0	3						71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	158.63	-52.0	9	3						79	79	79	79	79	79	79	79	79	79	79	79	79										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	91.59	-47.2	9	3															84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	290.19	-57.2	3	3								68	68	68	68	68	68	68	68	68	68	68	68	68	68								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	91.59	-47.2	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							80	80	80	81	81	81	72	72	72	72	72	72	73	67	67	82	82	82	82	82	82	82	83	83	83	82	82	82	82	82	82	85	85	85	86	86	86	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST06 Block H, Fu Lam Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST06 Block H, Fu Lam Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST06 Block H, Fu Lam Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST06 Block H, Fu Lam Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	80.91	-46.1	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	123.36	-49.8	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	348.22	-58.8	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	261.26	-56.3	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	142.46	-51.1	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	137.4	-50.7	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST06 Block H, Fu Lam Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	20 Q1	20 Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	80.91	-46.1	6	3							79	79	79	79	79	79	79	79								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	123.36	-49.8	0	3												73	73	73	73	73	73	73	73	73	73	73
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	348.22	-58.8	6	3	71	71	71	71	71	71	71	71	71	71												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	261.26	-56.3	6	3					74	74	74	74	74	74	74	74	74	74								
S2C1-vf	Site formation for site 4-11	121	4	142.46	-51.1	6	3	79	79	79	79	79	79	79	79	79	79												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	137.4	-50.7	3	3				73	73	73	73	73	73	73	73	73	73	73	73	73	73	73				
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST06 Block H, Fu Lam Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31				2032				2033				2034				2035				2036				2037				2038			
										Q3																													
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																																
	STAGE 2																																						
	Development Stage 2 - Contract S2C1																																						
	District Distributor Road D6, D7 and D8, and local roads																																						
S2C1-i	Road D6 - part 1	116	4	80.91	-46.1	6	3																																
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																																
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																																
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																																
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																																
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																																
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																						
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	123.36	-49.8	0	3	73	73	73																													
	Site formation and development for Fresh Water Service Reservoir																																						
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																																
	Site formation for residential & commercial developments, G/IC and Open Space areas																																						
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	348.22	-58.8	6	3																																
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	261.26	-56.3	6	3																																
S2C1-vf	Site formation for site 4-11	121	4	142.46	-51.1	6	3																																
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																																
	Site development for residential & commercial developments, G/IC and Open Space areas																																						
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	137.4	-50.7	3	3																																
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																																
	Site formation for a new District Cooling System																																						
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																																
	Site development for a new District Cooling System																																						
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																																
	Development Stage 2 - Contract S2C2																																						
	District Distributor Road D1, a section of Road D3 and local roads																																						
S2C2-i	Road D3	116	2	n/a	--	3	3																																
S2C2-i	Road D1	116	2	n/a	--	3	3																																
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																																
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																																
	Site formation for a new HSK STW																																						
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																																
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																																
	Site development for a new HSK STW																																						
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																																
	A new Sewage Pumping Station SPS4 and associated rising mains																																						
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																																
	Associated rising mains																																						
	A new TSE reservoirs and associated pumping stations and rising mains																																						
S2C2-iv	site 5-40	131	1	n/a	--	0	3																																
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																						
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																																
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																																
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																																
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																																
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																						
	sites 3-9 and 3-4																																						
S2C2-vd	site 3-4	121	1	n/a	--	0	3																																
S2C2-vd	site 3-9	121	1	n/a	--	0	3																																
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																																
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																																
	sites 3-18 and 3-5																																						
S2C2-vd	site 3-18	121	1	n/a	--	0	3																																
S2C2-vd	site 3-5	121	1	n/a	--	0	3																																
S2C2-vd	site 3-1	121	2	n/a	--	3	3																																
	STAGE 3																																						
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																						
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																																
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																																
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																																
S3C1-i	Road D4	114	3	n/a	--	5	3																																
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																																
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																																
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																																
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																																
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																																
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																																
	Site formation for residential, commercial and G/IC sites																																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST06 Block H, Fu Lam Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	58.25	-43.3	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	204.51	-54.2	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	223.48	-55.0	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	124.57	-49.9	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	244.73	-55.8	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	193.95	-53.7	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	286.81	-57.1	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	186.62	-53.4	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	266.18	-56.5	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	182.93	-53.2	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST06 Block H, Fu Lam Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	58.25	-43.3	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	204.51	-54.2	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	223.48	-55.0	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	124.57	-49.9	0	3																					68	68
S3C3-i	Local roads serving Site 1-29	114	1	244.73	-55.8	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	193.95	-53.7	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	286.81	-57.1	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	186.62	-53.4	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	266.18	-56.5	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	182.93	-53.2	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
					Predicted Noise Level , dB(A)			80	80	80	80	80	80	80	80	80	80	80	76	76	76	76	76	81	81	81	81	81	80	80	73	73	73	73	73	73	76	76	76	76	76	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	74	74	74	74	74

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST06 Block H, Fu Lam Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	58.25	-43.3	9	3								85 85 85 85 85 85 85	85 85 85																			
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	204.51	-54.2	8	3						75 75 75	75 75 75 75 75 75 75 75 75																					
S3C2-ivd	Sites 3-36 and 3-37	119	6	223.48	-55.0	8	3										74 74 74	74 74 74 74 74 74 74 74																	
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	124.57	-49.9	0	3	68 68	68 68 68 68																										
S3C3-i	Local roads serving Site 1-29	114	1	244.73	-55.8	0	3			62 62 62 62 62 62 62 62 62 62 62																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	193.95	-53.7	5	3										68 68 68	68 68 68 68 68 68 68																	
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	286.81	-57.1	9	3						74 74 74	74 74 74 74 74 74 74 74 74																					
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	186.62	-53.4	9	3															78 78 78 78 78 78 78 78	78 78 78 78 78 78 78 78											
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	266.18	-56.5	3	3								69 69 69 69 69 69 69 69 69	69 69 69 69 69 69																			
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	182.93	-53.2	3	3														72 72 72 72 72 72	72 72 72 72 72 72 72 72											
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
							Predicted Noise Level , dB(A)	74 74	74 68 68	68 62 62 62 62 62 62 62 62 62 62				78 78 78 78 78 78 78	86 86 86 86 86 86 86 86 86 86			86 86 86 86 86 86 86 86 86 86	80 80 80 80 80 80 80 80 79 79			79 79 79 79 79 79 79 79 79 79											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST07 No, 60, San Sang Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST07 No, 60, San Sang Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST07 No, 60, San Sang Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST07 No, 60, San Sang Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	269.17	-56.6	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	281.1	-57.0	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST07 No, 60, San Sang Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	269.17	-56.6	6	3							68	68	68	68	68	68	68	68									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	281.1	-57.0	0	3												66	66	66	66	66	66	66	66	66	66	66	66	66
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST07 No, 60, San Sang Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31				2032				2033				2034				2035				2036				2037				2038			
										Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																																
	STAGE 2																																						
	Development Stage 2 - Contract S2C1																																						
	District Distributor Road D6, D7 and D8, and local roads																																						
S2C1-i	Road D6 - part 1	116	4	269.17	-56.6	6	3																																
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																																
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																																
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																																
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																																
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																																
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																						
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	281.1	-57.0	0	3	66	66	66																													
	Site formation and development for Fresh Water Service Reservoir																																						
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																																
	Site formation for residential & commercial developments, G/IC and Open Space areas																																						
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																																
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																																
	Site development for residential & commercial developments, G/IC and Open Space areas																																						
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																																
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																																
	Site formation for a new District Cooling System																																						
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																																
	Site development for a new District Cooling System																																						
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																																
	Development Stage 2 - Contract S2C2																																						
	District Distributor Road D1, a section of Road D3 and local roads																																						
S2C2-i	Road D3	116	2	n/a	--	3	3																																
S2C2-i	Road D1	116	2	n/a	--	3	3																																
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																																
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																																
	Site formation for a new HSK STW																																						
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																																
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																																
	Site development for a new HSK STW																																						
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																																
	A new Sewage Pumping Station SPS4 and associated rising mains																																						
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																																
	Associated rising mains																																						
	A new TSE reservoirs and associated pumping stations and rising mains																																						
S2C2-iv	site 5-40	131	1	n/a	--	0	3																																
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																						
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																																
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																																
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																																
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																																
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																						
	sites 3-9 and 3-4																																						
S2C2-vd	site 3-4	121	1	n/a	--	0	3																																
S2C2-vd	site 3-9	121	1	n/a	--	0	3																																
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																																
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																																
	sites 3-18 and 3-5																																						
S2C2-vd	site 3-18	121	1	n/a	--	0	3																																
S2C2-vd	site 3-5	121	1	n/a	--	0	3																																
S2C2-vd	site 3-1	121	2	n/a	--	3	3																																
	STAGE 3																																						
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																						
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																																
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																																
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																																
S3C1-i	Road D4	114	3	n/a	--	5	3																																
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																																
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																																
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																																
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																																
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																																
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																																
	Site formation for residential, commercial and G/IC sites																																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST07 No, 60, San Sang Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	155.89	-51.8	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	61.99	-43.8	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	25.33	-36.1	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	152.47	-51.6	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	196.75	-53.9	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	264.74	-56.4	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	254.7	-56.1	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	252.06	-56.0	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST07 No, 60, San Sang Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	155.89	-51.8	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	61.99	-43.8	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	25.33	-36.1	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	152.47	-51.6	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	196.75	-53.9	0	3																					64	64
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	264.74	-56.4	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	254.7	-56.1	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	252.06	-56.0	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							68	68	68	68	68	68	68	68					66	66	66	66	66	66	66	66	66	66	66	66

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESST07 No, 60, San Sang Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	155.89	-51.8	9	3					77 77 77 77 77		77 77 77 77 77																					
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	61.99	-43.8	9	3									85 85 85 85 85	85 85 85 85	85 85 85																	
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	25.33	-36.1	8	3					93 93 93		93 93 93 93 93	93 93 93 93	93																			
S3C2-ivd	Sites 3-36 and 3-37	119	6	152.47	-51.6	8	3										78 78 78	78 78 78 78	78 78 78 78	78 78 78															
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	196.75	-53.9	0	3	64 64	64 64 64																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	264.74	-56.4	5	3										65 65 65	65 65 65 65	65 65 65 65	65 65 65															
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	254.7	-56.1	9	3												75 75 75 75 75	75 75 75 75	75 75 75 75	75 75 75 75	75 75 75 75	75 75 75 75	75 75 75 75											
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	252.06	-56.0	3	3													69 69 69 69 69	69 69 69 69	69 69 69 69	69 69 69 69												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							68 68	68 64 64 64			77 77 93 93 93		93 93 93 93 93	93 94 94 94 94	86 86 86 86 86	86 80 80 80 80	80 80 76 76 76	76 76 76 76 76	76 76 76 76 76	76 76 76 76 76	76 76 76 76 76	76 76 76 76 76	76 76 76 76 76											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EKLUT0 Village house, Kau Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EKLUT0 Village house, Kau Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EKLUT0 Village house, Kau Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EKLUT0 Village house, Kau Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EKLUT0 Village house, Kau Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EKLUT0 Village house, Kau Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EKLUT0 Village house, Kau Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	106.39	-48.5	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	151.26	-51.6	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	276.06	-56.8	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	39.96	-40.0	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	252.32	-56.0	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	206.19	-54.3	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	103.32	-48.3	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	103.32	-48.3	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EKLUT0 Village house, Kau Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	106.39	-48.5	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	151.26	-51.6	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	276.06	-56.8	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	39.96	-40.0	0	3																					77	77
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	252.32	-56.0	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	206.19	-54.3	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	103.32	-48.3	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	103.32	-48.3	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																						77	77

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EKLUT0 Village house, Kau Lee Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	106.39	-48.5	6	3					75	75	75	75	75	75	75	75	75	75	75	75	75	75										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	151.26	-51.6	9	3	77	77	77	77	77	77	77	77																				
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	276.06	-56.8	9	3								72	72	72	72	72	72	72	72	72												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	39.96	-40.0	0	3	77	77	77	77	77	77																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	252.32	-56.0	5	3										66	66	66	66	66	66	66	66	66	66	66	66	66							
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	206.19	-54.3	0	3						71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	103.32	-48.3	9	3												83	83	83	83	83	83	83	83	83	83	83	83	83	83	83			
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	103.32	-48.3	3	3													77	77	77	77	77	77	77	77	77	77	77	77	77	77			
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
					Predicted Noise Level , dB(A)			77	77	77	80	80	77	77	77	77	77	77	79	75	75	76	76	76	76	76	76	76	78	78	78	78	78	78	75	75	75	83	83	83	84	84	84

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL01 No. 06, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	278.98	-56.9	5	3																					70	70	70	70	70	70	70	70
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	240.77	-55.6	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	278.98	-56.9	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL01 No. 06, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	278.98	-56.9	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	240.77	-55.6	5	3	72	72	72	72	72	72	72	72	72	72												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	278.98	-56.9	0	3			65	65	65	65	65	65	65	65	65	65	65	65	65	65						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL01 No. 06, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	278.98	-56.9	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	240.77	-55.6	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	278.98	-56.9	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL01 No. 06, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	132.68	-50.4	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL01 No. 06, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	132.68	-50.4	5	3																						72
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL01 No. 06, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	132.68	-50.4	5	3	72	72	72	72																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL01 No. 06, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	143.71	-51.1	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	237.92	-55.5	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	144	-51.1	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	113.79	-49.1	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	188.24	-53.5	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	223.47	-55.0	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	157.07	-51.9	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	54.88	-42.8	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	54.88	-42.8	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL01 No. 06, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	143.71	-51.1	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	237.92	-55.5	7	3																					77	77 77 77 77 77
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	144	-51.1	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	113.79	-49.1	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	188.24	-53.5	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	223.47	-55.0	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	157.07	-51.9	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	54.88	-42.8	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	54.88	-42.8	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)		72	72	72	72	72	72	72	72	72	72	65	65	65	65	65	65							77	77 77 77 77 78

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL01 No. 06, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31						2032								2033								2034								2035								2036				2037				2038			
								Q3				Q4				Q1				Q2				Q3				Q4				Q1				Q2				Q3				Q4				Q1				Q2				Q3			
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	143.71	-51.1	7	3																81	81	81	81	81	81	81	81	81	81	81																							
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	237.92	-55.5	7	3	77	77	77	77	77	77	77																																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																															
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																																														
	Site development for residential, commercial and G/IC sites																																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	144	-51.1	8	3	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																																														
	Development Stage 3 - Contract S3C2																																																			
	District Distributor Road D3 and D5																																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																																														
S3C2-i	Road D5	114	4	113.79	-49.1	6	3											74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74																							
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																														
	Slip roads connecting KSWH and Road D3																																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																														
	A new TSE reservoirs and associated pumping stations and rising mains																																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																														
	Site formation for Logistics and Enterprise & Technology Park sites																																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																													
	Site development for Logistics and Enterprise & Technology Park sites																																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																														
	Development Stage 3 - Contract S3C3																																																			
	Local Roads serving district open space																																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																														
S3C3-i	Local roads serving Site 1-29	114	1	188.24	-53.5	0	3							64	64	64	64	64	64	64	64	64	64	64																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																																			
S3C3-ii	Tim Sam Channel	114	3	223.47	-55.0	5	3																									67	67	67	67	67	67	67	67	67	67	67												
S3C3-ii	Hung Shui Kiu Channel	114	3	157.07	-51.9	5	3																																											70	70	70	70	70	70	70	70	70	70	70	70
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																																														
	Site formation for G/IC sites																																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	54.88	-42.8	9	3																																													
	Site development for G/IC sites																																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	54.88	-42.8	3	3																																													
	STAGE 4																																																			
	Development Stage 4 - Contract S4C1																																																		
	Removal of existing Tin Ying Road																																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																														
	Drainage Channel Re-vitalization																																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																														
	Local roads serving development sites																																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																														
	Site formation for a new District Cooling System																																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																														
	Site development for a new District Cooling System																																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																														
	Site development for residential, G/IC, commercial and Open Space Areas																																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																														
							Predicted Noise Level , dB(A)	81	81	81	81	81	81	79	79	79	79	80	80	80	80	80	74	74	82	82	82	82	82	82	82	82	81	81	81	88	88	88	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL03 No. 45, Sha chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL03 No. 45, Sha chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL03 No. 45, Sha chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL03 No. 45, Sha chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	206.32	-54.3	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL03 No. 45, Sha chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	206.32	-54.3	5	3																						68
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL03 No. 45, Sha chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	206.32	-54.3	5	3	68	68	68	68																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL03 No. 45, Sha chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	233.73	-55.4	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	238	-55.5	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	104.97	-48.4	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	170.13	-52.6	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	147.84	-51.4	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	239	-55.5	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	55.68	-42.9	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	55.68	-42.9	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL03 No. 45, Sha chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	233.73	-55.4	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	238	-55.5	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	104.97	-48.4	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	170.13	-52.6	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	147.84	-51.4	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	239	-55.5	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	55.68	-42.9	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	55.68	-42.9	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																								68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL03 No. 45, Sha chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31						2032								2033								2034								2035								2036				2037				2038			
								Q3			Q4			Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	233.73	-55.4	7	3																77	77	77	77	77	77	77	77	77	77	77																							
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																																																	
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																																
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																																
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																																
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																																																
	Site development for residential, commercial and G/IC sites																																																					
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	238	-55.5	8	3	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																																
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																																																
	Development Stage 3 - Contract S3C2																																																				
	District Distributor Road D3 and D5																																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																																																
S3C2-i	Road D5	114	4	104.97	-48.4	6	3											75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																																
	Slip roads connecting KSWH and Road D3																																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																																
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																																
	A new TSE reservoirs and associated pumping stations and rising mains																																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																																
	Site formation for Logistics and Enterprise & Technology Park sites																																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																																
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																																
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																																
	Site development for Logistics and Enterprise & Technology Park sites																																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																																
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																																
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																																
	Development Stage 3 - Contract S3C3																																																				
	Local Roads serving district open space																																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																																
S3C3-i	Local roads serving Site 1-29	114	1	170.13	-52.6	0	3							65	65	65	65	65	65	65	65	65	65	65																																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																																				
S3C3-ii	Tim Sam Channel	114	3	147.84	-51.4	5	3																																															
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																																															
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	239	-55.5	0	3														70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Site formation for G/IC sites																																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																															
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	55.68	-42.9	9	3																																															
	Site development for G/IC sites																																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																															
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	55.68	-42.9	3	3																																															
	STAGE 4																																																				
	Development Stage 4 - Contract S4C1																																																				
	Removal of existing Tin Ying Road																																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																															
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																															
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																															
	Drainage Channel Re-vitalization																																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																															
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																															
	Stormwater Storage Tank near Tin Shui Wai Channel																																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																															
	Local roads serving development sites																																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																															
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																															
	Site formation for a new District Cooling System																																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																															
	Site development for a new District Cooling System																																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																															
	Site formation for residential, G/IC, commercial and Open Space Areas																																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																															
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																															
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																															
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																															
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																															
	Site development for residential, G/IC, commercial and Open Space Areas																																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																															
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																															
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																															
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																															
							Predicted Noise Level , dB(A)	75	75	75	75	75	75	75	75	75	75	75	75	78	78	78	79	79	79	76	76	79	79	79	79	79	79	80	80	80	78	78	78	88	88	88	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL04 No. 18, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	253.37	-56.1	5	3																					71	71	71	71	71	71	71	71
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	178.92	-53.0	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	253.37	-56.1	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL04 No. 18, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	253.37	-56.1	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	178.92	-53.0	5	3	74	74	74	74	74	74	74	74	74	74	74	74										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	253.37	-56.1	0	3			65	65	65	65	65	65	65	65	65	65	65	65								
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL04 No. 18, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	253.37	-56.1	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	178.92	-53.0	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	253.37	-56.1	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL04 No. 18, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	181.29	-53.1	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL04 No. 18, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	181.29	-53.1	5	3																						69
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL04 No. 18, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	181.29	-53.1	5	3	69	69	69	69																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL04 No. 18, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	178.52	-53.0	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	268.18	-56.6	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	136	-50.7	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	103.15	-48.3	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	104.49	-48.4	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	96.85	-47.7	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	96.85	-47.7	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																													71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL04 No. 18, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	178.52	-53.0	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	268.18	-56.6	7	3																					76	76 76 76 76 76
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	136	-50.7	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	103.15	-48.3	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	104.49	-48.4	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	96.85	-47.7	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	96.85	-47.7	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							74	74	75	75	75	75	75	75	75	75	65	65	65	65	65	65						76 76 76 76 76 76

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESCL04 No. 18, Sha Chau Lei Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31				2032				2033				2034				2035				2036				2037				2038			
								Q3			Q4	Q1				Q2				Q3				Q4				Q1				Q2				Q3				Q4			
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	178.52	-53.0	7	3													79	79	79	79	79	79	79	79	79	79	79											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	268.18	-56.6	7	3	76	76	76	76	76	76	76																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																																
	Site development for residential, commercial and G/IC sites																																						
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	136	-50.7	8	3	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																																
	Development Stage 3 - Contract S3C2																																						
	District Distributor Road D3 and D5																																						
S3C2-i	Road D3	114	4	n/a	--	6	3																																
S3C2-i	Road D5	114	4	103.15	-48.3	6	3									75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																
	Slip roads connecting KSWH and Road D3																																						
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																
	A new TSE reservoirs and associated pumping stations and rising mains																																						
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																
	Site formation for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																
	Site development for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																
	Development Stage 3 - Contract S3C3																																						
	Local Roads serving district open space																																						
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																						
S3C3-ii	Tim Sam Channel	114	3	104.49	-48.4	5	3															73	73	73	73	73	73	73	73	73	73										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																																
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																						
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																																
	Site formation for G/IC sites																																						
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	96.85	-47.7	9	3																	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
	Site development for G/IC sites																																						
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	96.85	-47.7	3	3																			78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
	STAGE 4																																						
	Development Stage 4 - Contract S4C1																																						
	Removal of existing Tin Ying Road																																						
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																
	Drainage Channel Re-vitalization																																						
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																
	Stormwater Storage Tank near Tin Shui Wai Channel																																						
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																
	Local roads serving development sites																																						
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																
	Site formation for a new District Cooling System																																						
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																
	Site development for a new District Cooling System																																						
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																
	Site formation for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																
	Site development for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																
	Predicted Noise Level , dB(A)							81	81	81	81	81	81	81	79	79	79	79	81	81	81	81	81	75	75	81	81	81	81	81	81	81	81	80	80	80	84	84	84	85	85	85	85	85	85	85	85	85	85	85	85	85	85

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12501 No. 108, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12501 No. 108, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12501 No. 108, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12501 No. 108, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	41.42	-40.3	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12501 No. 108, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	41.42	-40.3	5	3																						82
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12501 No. 108, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	41.42	-40.3	5	3	82	82	82	82																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12501 No. 108, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	110.59	-48.9	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	206.47	-54.3	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	173	-52.8	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	109.21	-48.7	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	180.13	-53.1	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	180.13	-53.1	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12501 No. 108, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	110.59	-48.9	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	206.47	-54.3	7	3																					78	78 78 78 78 78
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	173	-52.8	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	109.21	-48.7	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	180.13	-53.1	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	180.13	-53.1	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																						78	78 78 78 78 78 83

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12501 No. 108, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	110.59	-48.9	7	3											83	83	83	83	83	83	83	83	83	83	83									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	206.47	-54.3	7	3	78	78	78	78	78	78	78																					
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	173	-52.8	8	3	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	109.21	-48.7	6	3					75	75	75	75	75	75	75	75	75	75	75	75	75	75										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	180.13	-53.1	9	3												78	78	78	78	78	78	78	78	78	78	78	78	78	78	78				
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	180.13	-53.1	3	3													72	72	72	72	72	72	72	72	72	72	72	72	72				
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							84	84	84	84	81	81	81	77	77	77	77	77	79	79	79	79	79	75	75	84	84	84	84	84	84	84	84	84	83	83	83	78	78	78	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12502 No. 115, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12502 No. 115, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12502 No. 115, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12502 No. 115, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	75.15	-45.5	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12502 No. 115, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	75.15	-45.5	5	3																						77
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12502 No. 115, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	75.15	-45.5	5	3	77	77	77	77																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12502 No. 115, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	148.77	-51.4	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	246.88	-55.8	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	149	-51.4	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	70.33	-44.9	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	123.21	-49.8	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	123.21	-49.8	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12502 No. 115, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	148.77	-51.4	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	246.88	-55.8	7	3																					76	76 76 76 76 76
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	149	-51.4	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	70.33	-44.9	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	123.21	-49.8	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	123.21	-49.8	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																						76	76 76 76 76 79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12502 No. 115, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	148.77	-51.4	7	3											81	81	81	81	81	81	81	81	81	81	81									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	246.88	-55.8	7	3	76	76	76	76	76	76	76																					
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	149	-51.4	8	3	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	70.33	-44.9	6	3					78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	123.21	-49.8	9	3												81	81	81	81	81	81	81	81	81	81	81	81	81	81	81				
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	123.21	-49.8	3	3													75	75	75	75	75	75	75	75	75	75	75	75	75				
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							82	82	82	82	81	81	81	79	79	79	79	82	82	82	82	82	82	82	78	78	83	83	83	83	83	83	83	83	83	83

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12503 No. 216, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12503 No. 216, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12503 No. 216, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12503 No. 216, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	265.43	-56.5	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12503 No. 216, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	265.43	-56.5	5	3																						66
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12503 No. 216, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	265.43	-56.5	5	3	66	66	66	66																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12503 No. 216, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	54.89	-42.8	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	262.52	-56.4	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	266.78	-56.5	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	174.93	-52.8	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	130.23	-50.3	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	130.23	-50.3	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12503 No. 216, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	54.89	-42.8	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	262.52	-56.4	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	266.78	-56.5	0	3																					61	61
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	174.93	-52.8	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	130.23	-50.3	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	130.23	-50.3	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																						61	61

ID	Construction Activity	20					
		Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42						
	Site development for residential, commercial and G/IC sites						
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)						
	Development Stage 3 - Contract S3C2						
	District Distributor Road D3 and D5						
S3C2-i	Road D3						
S3C2-i	Road D5						
S3C2-i	Road D3 - Underpass						
	Slip roads connecting KSWH and Road D3						
S3C2-ii	Slip roads - part 1						
S3C2-ii	Slip roads - part 2						
	A new TSE reservoirs and associated pumping stations and rising mains						
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains						
	Site formation for Logistics and Enterprise & Technology Park sites						
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42						
	Site development for Logistics and Enterprise & Technology Park sites						
S3C2-ivd	Sites 3-24, 3-31 and 3-34						
S3C2-ivd	Sites 3-36 and 3-37						
S3C2-ivd	Sites 3-22 and 3-23						
	Development Stage 3 - Contract S3C3						
	Local Roads serving district open space						
S3C3-i	Local roads serving Site 1-27	61	61	61	61	61	61
S3C3-i	Local roads serving Site 1-29						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel						
S3C3-ii	Tim Sam Channel						
S3C3-ii	Hung Shui Kiu Channel						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas						
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43						
	Site formation for G/IC sites						
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30						
	Site development for G/IC sites						
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30						
	STAGE 4						
	Development Stage 4 - Contract S4C1						
	Removal of existing Tin Ying Road						
S4C1-i	Tin Ying Road - part 1						
S4C1-i	Tin Ying Road - part 2						
S4C1-i	Tin Ying Road - part 3						
	Drainage Channel Re-vitalization						
S4C1-ii	Channel Re-vitalization - part 1						
S4C1-ii	Channel Re-vitalization - part 2						
	Stormwater Storage Tank near Tin Shui Wai Channel						
S4C1-iii	Site 2-13						
	Local roads serving development sites						
S4C1-iv	Local roads serving area near Lau Fau Shan						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel						
	Site formation for a new District Cooling System						
S4C1-vf	Site formation for a new District Cooling System at site 1-24						
	Site development for a new District Cooling System						
S4C1-vd	Site development for a new District Cooling System at site 1-24						
	Site formation for residential, G/IC, commercial and Open Space Areas						
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17						
S4C1-vif	Sites 2-11 and 2-12						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16						
	Site development for residential, G/IC, commercial and Open Space Areas						
S4C1-vid	Sites 2-9 and 2-15						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16						
S4C1-vid	Sites 1-2						
S4C1-vid	Sites 1-10, 1-11 and 1-14						
		61	61	61	61	61	67

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: E12503 No. 216, Ha Tsuen Shi

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	54.89	-42.8	6	3					81 81 81 81 81 81		81 81 81 81 81 81 81 81 81 81 81 81																					
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	262.52	-56.4	9	3					72 72 72 72 72		72 72 72 72 72																					
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	266.78	-56.5	0	3	61 61 61 61 61 61																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	174.93	-52.8	0	3					72 72 72		72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72 72																					
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	130.23	-50.3	9	3											81 81 81 81 81 81 81 81 81 81 81 81				81 81 81 81 81 81 81 81 81 81 81 81													
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	130.23	-50.3	3	3													75 75 75 75 75 75		75 75 75 75 75 75 75 75 75 75 75 75													
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							67 67 67 67 61 61				81 81 81 82 82 82		82 82 82 82 82 82 82 82 82 81 81 81				81 81 81 81 81 81	72 72 72 82 82 82			82 82 82 82 82 82 82 82 82 82 82 82													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHTS01 No. 1B, San Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHTS01 No. 1B, San Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHTS01 No. 1B, San Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHTS01 No. 1B, San Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHTS01 No. 1B, San Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHTS01 No. 1B, San Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHTS01 No. 1B, San Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	19.07	-33.6	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	77	-45.7	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	298.72	-57.5	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	93.5	-47.4	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	263.66	-56.4	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	170.96	-52.6	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	170.96	-52.6	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHTS01 No. 1B, San Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	19.07	-33.6	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	77	-45.7	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	298.72	-57.5	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	93.5	-47.4	0	3																					70	70
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	263.66	-56.4	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	170.96	-52.6	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	170.96	-52.6	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
					Predicted Noise Level , dB(A)																						70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHTS01 No. 1B, San Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	19.07	-33.6	6	3					90 90 90 90 90 90		90 90 90 90 90 90		90 90 90 90 90 90		90 90 90 90 90 90																	
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	77	-45.7	9	3					83 83 83 83 83		83 83 83 83 83																					
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	298.72	-57.5	8	3					72 72 72		72 72 72 72 72 72		72 72 72																			
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	93.5	-47.4	0	3	70 70 70 70 70 70																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	263.66	-56.4	0	3					69 69 69		69 69 69 69 69 69		69 69 69 69 69 69		69 69 69 69 69 69		69 69 69 69 69 69		69 69 69 69 69 69 69 69													
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	170.96	-52.6	9	3											79 79 79 79 79 79 79 79			79 79 79 79 79 79 79 79													
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	170.96	-52.6	3	3												73 73 73 73 73 73			73 73 73 73 73 73 73 73													
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							70 70 70 70 70 70				90 91 91 91 91 91		91 91 91 91 90 90		90 90 90 90 90 90		69 69 69 79 79 79		80 80 80 80 80 80		80 80 80 80 80 80		80 80 80 80 80 80											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELUT01 Block 11, Yan Wu Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELUT01 Block 11, Yan Wu Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELUT01 Block 11, Yan Wu Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELUT01 Block 11, Yan Wu Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	156.42	-51.9	5	3																												
S3C1-i	Road D2 - part 2	114	3	38.6	-39.7	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELUT01 Block 11, Yan Wu Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	156.42	-51.9	5	3																					70	70
S3C1-i	Road D2 - part 2	114	3	38.6	-39.7	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELUT01 Block 11, Yan Wu Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	156.42	-51.9	5	3																														
S3C1-i	Road D2 - part 2	114	3	38.6	-39.7	5	3	82	82	82	82																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELUT01 Block 11, Yan Wu Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	91.24	-47.2	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	135.07	-50.6	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	89	-46.9	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELUT01 Block 11, Yan Wu Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	91.24	-47.2	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	135.07	-50.6	7	3																					81	81
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	89	-46.9	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)																											82	82

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ELUT01 Block 11, Yan Wu Garden

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31				2032				2033				2034				2035				2036				2037				2038			
								Q3			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	91.24	-47.2	7	3									85	85	85	85	85	85	85	85	85	85	85															
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	135.07	-50.6	7	3	81	81	81	81	81	81	81																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																																
	Site development for residential, commercial and G/IC sites																																						
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	89	-46.9	8	3	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83																
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																																
	Development Stage 3 - Contract S3C2																																						
	District Distributor Road D3 and D5																																						
S3C2-i	Road D3	114	4	n/a	--	6	3																																
S3C2-i	Road D5	114	4	n/a	--	6	3																																
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																
	Slip roads connecting KSWH and Road D3																																						
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																
	A new TSE reservoirs and associated pumping stations and rising mains																																						
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																
	Site formation for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																
	Site development for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																
	Development Stage 3 - Contract S3C3																																						
	Local Roads serving district open space																																						
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																						
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																																
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																																
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																						
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																																
	Site formation for G/IC sites																																						
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																																
	Site development for G/IC sites																																						
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																																
	STAGE 4																																						
	Development Stage 4 - Contract S4C1																																						
	Removal of existing Tin Ying Road																																						
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																
	Drainage Channel Re-vitalization																																						
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																
	Stormwater Storage Tank near Tin Shui Wai Channel																																						
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																
	Local roads serving development sites																																						
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																
	Site formation for a new District Cooling System																																						
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																
	Site development for a new District Cooling System																																						
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																
	Site formation for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																
	Site development for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																
	Predicted Noise Level , dB(A)							87	87	87	87	85	85	85	83	83	83	83	83	83	83	83	83			85	85	85	85	85	85	85	85	85	85	85			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESKT02 No. 151, Sik Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESKT02 No. 151, Sik Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESKT02 No. 151, Sik Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESKT02 No. 151, Sik Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESKT02 No. 151, Sik Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESKT02 No. 151, Sik Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESKT02 No. 151, Sik Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	160.52	-52.1	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	54.41	-42.7	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	94.12	-47.5	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESKT02 No. 151, Sik Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	160.52	-52.1	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	54.41	-42.7	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	94.12	-47.5	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ESKT02 No. 151, Sik Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	160.52	-52.1	9	3	76	76	76	76	76	76	76	76	76	76																		
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	54.41	-42.7	9	3					86	86	86	86	86	86	86	86	86	86														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	94.12	-47.5	8	3						82	82	82	82	82	82	82	82	82														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)									76	76	76	76	76	76	76	76	76	86	86	87	87	87	87	87	87	87	87	82	82	82	82				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETKW01 No.108C, Tseung Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETKW01 No.108C, Tseung Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETKW01 No.108C, Tseung Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETKW01 No.108C, Tseung Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	256.1	-56.1	3	3																												
S2C2-i	Road D1	116	2	286.14	-57.1	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	210.26	-54.4	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	184.31	-53.3	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	275.74	-56.8	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETKW01 No.108C, Tseung Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	256.1	-56.1	3	3					65	65	65	65	65	65	65	65	65	65	65	65						
S2C2-i	Road D1	116	2	286.14	-57.1	3	3													65	65	65	65	65	65	65	65	65	65
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	210.26	-54.4	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	184.31	-53.3	0	3								70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	275.74	-56.8	0	3																	67	67	67	67	67	67	67	67
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETKW01 No.108C, Tseung Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	256.1	-56.1	3	3																														
S2C2-i	Road D1	116	2	286.14	-57.1	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	210.26	-54.4	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	184.31	-53.3	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	275.74	-56.8	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETKW01 No.108C, Tseung Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	83.12	-46.4	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	107.76	-48.6	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	205.81	-54.3	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETKW01 No.108C, Tseung Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	83.12	-46.4	6	3																					77	77
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	107.76	-48.6	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	205.81	-54.3	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							65	65	65	65	65	65	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
								71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETKW01 No.108C, Tseung Kong Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31						2032								2033								2034								2035								2036								2037								2038			
								Q3			Q4			Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4	
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																																																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																																																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																																					
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																																					
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																																				
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																																																			
	Site development for residential, commercial and G/IC sites																																																								
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																																																			
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																																		
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																																																		
	Development Stage 3 - Contract S3C2																																																							
	District Distributor Road D3 and D5																																																							
S3C2-i	Road D3	114	4	83.12	-46.4	6	3	77	77	77	77	77	77	77	77	77	77	77	77																																									
S3C2-i	Road D5	114	4	n/a	--	6	3																																																				
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																																				
	Slip roads connecting KSWH and Road D3																																																							
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																																				
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																																							
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																																			
	Site formation for Logistics and Enterprise & Technology Park sites																																																							
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	107.76	-48.6	9	3				80	80	80	80	80	80	80	80	80	80																																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																																			
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																																			
	Site development for Logistics and Enterprise & Technology Park sites																																																						
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																																			
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																																			
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																																			
	Development Stage 3 - Contract S3C3																																																						
	Local Roads serving district open space																																																							
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																																			
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																																																		
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																																						
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																																																		
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																																																		
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																																					
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	205.81	-54.3	0	3																																																		
	Site formation for G/IC sites																																																						
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																																	
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																																																
	Site development for G/IC sites																																																						
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																																
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																																																
	STAGE 4																																																						
	Development Stage 4 - Contract S4C1																																																					
	Removal of existing Tin Ying Road																																																					
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																																		
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																																		
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																																	
	Drainage Channel Re-vitalization																																																					
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																																	
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																																	
	Stormwater Storage Tank near Tin Shui Wai Channel																																																					
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																																	
	Local roads serving development sites																																																					
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																																	
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																																	
	Site formation for a new District Cooling System																																																					
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																																	
	Site development for a new District Cooling System																																																					
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																																	
	Site formation for residential, G/IC, commercial and Open Space Areas																																																					
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																																	
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																																	
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																																	
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																																	
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																																	
	Site development for residential, G/IC, commercial and Open Space Areas																																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																																	
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																																	
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																																	
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																																	
	Predicted Noise Level , dB(A)							77	77	77	82	82	82	82	82	82	82	82	82	80																																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHMT01 No. 411, San Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHMT01 No. 411, San Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHMT01 No. 411, San Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHMT01 No. 411, San Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	270.71	-56.6	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	145.92	-51.3	0	3																										
S3C1-i	Road D2 - Underpass	114	1	272.2	-56.7	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHMT01 No. 411, San Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	270.71	-56.6	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	145.92	-51.3	0	3																						
S3C1-i	Road D2 - Underpass	114	1	272.2	-56.7	0	3																					61	61
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHMT01 No. 411, San Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	270.71	-56.6	5	3							66	66	66	66	66																			
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	145.92	-51.3	0	3			66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
S3C1-i	Road D2 - Underpass	114	1	272.2	-56.7	0	3	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHMT01 No. 411, San Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	279	-56.9	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	287.76	-57.2	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	231.21	-55.3	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	67.63	-44.6	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	67.63	-44.6	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHMT01 No. 411, San Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	279	-56.9	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	287.76	-57.2	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	231.21	-55.3	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	67.63	-44.6	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	67.63	-44.6	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
						Predicted Noise Level , dB(A)																						61	61	61	61	61	61

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EHMT01 No. 411, San Wai

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31 Q3	31 Q4	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	279	-56.9	8	3	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	287.76	-57.2	8	3													73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	231.21	-55.3	0	3						70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	67.63	-44.6	9	3						87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	67.63	-44.6	3	3								81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
						Predicted Noise Level , dB(A)		73	73	73	73	73	73	74	74	74	75	75	75	75	74	87	87	87	87	87	87	88	88	88	88	88	88	88	88	88	88	88	88	88	88	81	81	81	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	73	73	73

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT01 Block A Luxor Garden, Tung Tau Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT01 Block A Luxor Garden, Tung Tau Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT01 Block A Luxor Garden, Tung Tau Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT01 Block A Luxor Garden, Tung Tau Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	36.82	-39.3	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT01 Block A Luxor Garden, Tung Tau Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	36.82	-39.3	5	3																					83	83
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT01 Block A Luxor Garden, Tung Tau Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	36.82	-39.3	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT01 Block A Luxor Garden, Tung Tau Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	152.27	-51.6	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	152.27	-51.6	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	143.19	-51.1	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	204.18	-54.2	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	225.25	-55.0	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	237.17	-55.5	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	83.95	-46.5	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	83.95	-46.5	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT01 Block A Luxor Garden, Tung Tau Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	152.27	-51.6	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	152.27	-51.6	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	143.19	-51.1	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	204.18	-54.2	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	225.25	-55.0	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	237.17	-55.5	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	83.95	-46.5	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	83.95	-46.5	0	3																						
	Predicted Noise Level , dB(A)																											83	83
																												83	83
																												83	83

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT01 Block A Luxor Garden, Tung Tau Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	152.27	-51.6	9	3						80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	152.27	-51.6	3	3								74	74	74	74	74	74	74	74	74	74	74	74	74	74								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	143.19	-51.1	5	3															75	75	75													
S4C1-i	Tin Ying Road - part 2	118	3	204.18	-54.2	5	3																		72	72	72										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	225.25	-55.0	6	3																					69	69	69	69	69	69	69	69		
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	237.17	-55.5	5	3								74	74	74	74	74	74	74																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	83.95	-46.5	3	3														82	82	82	82	82	82	82	82								
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	83.95	-46.5	0	3																											77	77	77	77
	Predicted Noise Level , dB(A)												80	80	80	80	80	80	82	82	82	82	82	82	84	84	85	85	85	83	83	83	69	69	69	69

ID	Construction Activity	2038				2039				2040				2041				2042				2043				2044				2045				2046			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22																																				
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18																																				
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33																																				
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17																																				
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9																																				
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42																																				
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)																																				
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)																																				
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)																																				
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3																																				
S3C2-i	Road D5																																				
S3C2-i	Road D3 - Underpass																																				
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1																																				
S3C2-ii	Slip roads - part 2																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains																																				
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23																																				
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31																																				
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42																																				
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34																																				
S3C2-ivd	Sites 3-36 and 3-37																																				
S3C2-ivd	Sites 3-22 and 3-23																																				
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27																																				
S3C3-i	Local roads serving Site 1-29																																				
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel																																				
S3C3-ii	Hung Shui Kiu Channel																																				
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43																																				
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)																																				
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30																																				
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)																																				
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30																																				
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1																																				
S4C1-i	Tin Ying Road - part 2																																				
S4C1-i	Tin Ying Road - part 3																																				
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1																																				
S4C1-ii	Channel Re-vitalization - part 2																																				
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13																																				
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan																																				
S4C1-iv	Local roads serving area near Tin Shui Wai Channel																																				
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24																																				
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24																																				
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35																																				
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17																																				
S4C1-vif	Sites 2-11 and 2-12																																				
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7																																				
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16																																				
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15																																				
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16																																				
S4C1-vid	Sites 1-2																																				
S4C1-vid	Sites 1-10, 1-11 and 1-14	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
	Predicted Noise Level , dB(A)	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT02 No. 111, Lo Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT02 No. 111, Lo Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT02 No. 111, Lo Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT02 No. 111, Lo Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	39.04	-39.8	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT02 No. 111, Lo Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	n/a	--	3	3																						
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	39.04	-39.8	5	3																					82	82
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT02 No. 111, Lo Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	n/a	--	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	39.04	-39.8	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT02 No. 111, Lo Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	160.06	-52.1	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	249	-55.9	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	201.04	-54.0	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	254.33	-56.1	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	246.72	-55.8	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	89.04	-47.0	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	89.04	-47.0	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT02 No. 111, Lo Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	160.06	-52.1	7	3																					80	80
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	249	-55.9	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	201.04	-54.0	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	254.33	-56.1	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	246.72	-55.8	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	89.04	-47.0	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	89.04	-47.0	0	3																						
	Predicted Noise Level , dB(A)																											84	84

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: ETTT02 No. 111, Lo Uk Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	160.06	-52.1	7	3	80	80	80	80	80	80																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	249	-55.9	8	3	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	201.04	-54.0	5	3											72	72	72															
S4C1-i	Tin Ying Road - part 2	118	3	254.33	-56.1	5	3														70	70	70												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	246.72	-55.8	6	3																			68	68	68	68	68	68	68	68				
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	89.04	-47.0	3	3											81	81	81	81	81	81	81	81										
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	89.04	-47.0	0	3																									77	77	77	77	77	77	77	77
	Predicted Noise Level , dB(A)							81	81	81	81	81	81	74	74	74	74	74	74	74	74	74	74	74	74									77	77	77	77
																		81	81	82	82	82	81	81	81									77	77	77	77

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT01 No.61, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	276	-56.8	0	3													64	64	64	64	64	64	64	64								
S1C1-iif	Site formation for site 2-19	118	1	261	-56.3	0	3																					65	65	65	65	65	65	65	65
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	276	-56.8	0	3																	67	67	67	67	67	67	67	67	67	67		
S1C1-iid	Site development for site 2-19	121	1	261	-56.3	0	3																									67	67	67	67	67	67	67	67	67	67
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT01 No.61, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	276	-56.8	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	261	-56.3	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	276	-56.8	0	3																						
S1C1-iid	Site development for site 2-19	121	1	261	-56.3	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT01 No.61, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	276	-56.8	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	261	-56.3	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	276	-56.8	0	3																												
S1C1-iid	Site development for site 2-19	121	1	261	-56.3	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT01 No.61, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	152.42	-51.6	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	285	-57.1	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	90	-47.1	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT01 No.61, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	152.42	-51.6	3	3															70	70	70	70	70	70	70	70	70	70
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																						
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	285	-57.1	0	3									67	67	67	67	67	67	67									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	90	-47.1	3	3																	80	80	80	80	80	80	80	80
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT01 No.61, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	152.42	-51.6	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	285	-57.1	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	90	-47.1	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT01 No.61, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	204	-54.2	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	116	-49.2	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	271	-56.6	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	116	-49.2	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																			64	64	64	64	64	64	69	69	69	69	69	69	69	69	69	69	69	69	67	67	67	67	67	67	67	67	67	67	67	67

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT01 No.61, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	204	-54.2	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	116	-49.2	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	271	-56.6	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	116	-49.2	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)															67	67	67	67	67	67	67									
																								70	70	70	80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT01 No.61, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	204	-54.2	7	3											78	78	78	78	78	78	78	78	78	78	78									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	116	-49.2	7	3			83	83	83	83	83	83	83	83	83	83																		
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	271	-56.6	8	3	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	116	-49.2	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3							81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81								
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)							73	73	73	73	73	73	73	83	83	83	83	83	83	83	83	83	83	83	85	85	83	83	83	83	83	83	83	83	83	83	83	81	81	81

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT03 No.80, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	285	-57.1	0	3													64	64	64	64	64	64	64	64								
S1C1-iif	Site formation for site 2-19	118	1	259	-56.3	0	3																	65	65	65	65	65	65	65	65				
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	285	-57.1	0	3																	66	66	66	66	66	66	66	66				
S1C1-iid	Site development for site 2-19	121	1	259	-56.3	0	3																									67	67	67	67
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT03 No.80, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	285	-57.1	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	259	-56.3	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	285	-57.1	0	3																						
S1C1-iid	Site development for site 2-19	121	1	259	-56.3	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT03 No.80, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	285	-57.1	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	259	-56.3	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	285	-57.1	0	3																												
S1C1-iid	Site development for site 2-19	121	1	259	-56.3	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT03 No.80, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	121	-49.6	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	89	-47.0	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT03 No.80, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	121	-49.6	6	3	78	78	78	78	78	78	78	78	78	78	78	78										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	89	-47.0	3	3																	80	80	80	80	80	80	80	80
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT03 No.80, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	121	-49.6	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	89	-47.0	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT03 No.80, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	265	-56.4	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	171	-52.7	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	297	-57.4	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	171	-52.7	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																							64	64	64	64	64	64	68	68	68	69	69	69	69	69	69	69	69	67	67	67	67	67	67	67	67	67	67

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT03 No.80, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	265	-56.4	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	171	-52.7	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	297	-57.4	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	171	-52.7	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							78	78	78	78	78	78	78	78	78	78							80	80	80	80	80	80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT03 No.80, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31	2032				2033				2034				2035				2036				2037				2038			
								Q3	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	265	-56.4	7	3						76	76	76	76	76	76	76	76	76	76	76												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	171	-52.7	7	3		79	79	79	79	79	79	79	79	79	79																
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	297	-57.4	8	3	73	73	73	73	73	73	73	73	73	73	73	73	73	73														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	171	-52.7	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							73	73	73	73	73	73	80	80	80	80	80	80	80	80	80	80	82	82	80	80	80	80	80	80	80	80	80	80	80	80	80	77	77	77

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT04 No.23F, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	121	-49.6	0	3													71	71	71	71	71	71	71	71								
S1C1-iif	Site formation for site 2-19	118	1	120	-49.5	0	3																					72	72	72	72	72	72	72	72
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	121	-49.6	0	3																	74	74	74	74	74	74	74	74	74	74	74	74
S1C1-iid	Site development for site 2-19	121	1	120	-49.5	0	3																									74	74	74	74	74	74	74	74	74	74
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT04 No.23F, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																												
	Advanced Works - Phase 1 - Contract AWC1																												
	Site formation for residential site 5-26																												
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																						
	Site development for residential site 5-26																												
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																						
	Advanced Works - Phase 2 - Contract AWC2																												
	Site formation for ESS 1																												
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																						
	Site formation for residential site 4-20, 5-24																												
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																						
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																						
	Site development for residential site 4-20, 5-24																												
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																						
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																						
	Advanced Works - Phase 3 - Contract AWC3																												
	Site formation for residential, G/IC, commercial and industrial development areas																												
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																						
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																						
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																						
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																						
	Site development for residential, G/IC, commercial and industrial development areas																												
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-36	118																											
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																						
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																						
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																						
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																												
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																						
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																						
	Advance Works Stage - Contract AWC4																												
	Road P1 and associated works, and other District Distributors																												
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																						
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																						
	Slip Roads (Connection between Road P1 and KSWH)																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																						
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																						
	STAGE 1																												
	Development Stage 1 - Contract S1C1																												
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																												
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																						
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use site																												
S1C1-iif	Site formation for site 2-18	118	1	121	-49.6	0	3																						
S1C1-iif	Site formation for site 2-19	118	1	120	-49.5	0	3																						
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																						
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																						
	Site development for Port Back-up and Storage Use site																												
S1C1-iid	Site development for site 2-18	121	1	121	-49.6	0	3																						
S1C1-iid	Site development for site 2-19	121	1	120	-49.5	0	3																						
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																						
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT04 No.23F, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	121	-49.6	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	120	-49.5	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	121	-49.6	0	3																												
S1C1-iid	Site development for site 2-19	121	1	120	-49.5	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT04 No.23F, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	291	-57.2	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	226	-55.1	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT04 No.23F, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	20 Q1	20 Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																						
	STAGE 2																												
	Development Stage 2 - Contract S2C1																												
	District Distributor Road D6, D7 and D8, and local roads																												
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																						
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																						
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																						
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																												
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																						
	Site formation and development for Fresh Water Service Reservoir																												
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																						
	Site formation for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																						
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																						
	Site development for residential & commercial developments, G/IC and Open Space areas																												
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																						
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																						
	Site formation for a new District Cooling System																												
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																						
	Development Stage 2 - Contract S2C2																												
	District Distributor Road D1, a section of Road D3 and local roads																												
S2C2-i	Road D3	116	2	n/a	--	3	3																						
S2C2-i	Road D1	116	2	n/a	--	3	3																						
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																						
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																						
	Site formation for a new HSK STW																												
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																						
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																						
	Site development for a new HSK STW																												
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																						
	A new Sewage Pumping Station SPS4 and associated rising mains																												
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																						
	Associated rising mains																												
	A new TSE reservoirs and associated pumping stations and rising mains																												
S2C2-iv	site 5-40	131	1	n/a	--	0	3																						
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																												
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																						
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	291	-57.2	6	3	70	70	70	70	70	70	70	70	70	70	70	70										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																												
	sites 3-9 and 3-4																												
S2C2-vd	site 3-4	121	1	n/a	--	0	3																						
S2C2-vd	site 3-9	121	1	n/a	--	0	3																						
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																						
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																						
	sites 3-18 and 3-5																												
S2C2-vd	site 3-18	121	1	n/a	--	0	3																						
S2C2-vd	site 3-5	121	1	n/a	--	0	3																						
S2C2-vd	site 3-1	121	2	226	-55.1	3	3																	72	72	72	72	72	72
	STAGE 3																												
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																												
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																						
S3C1-i	Road D4	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																						
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																						
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																						
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																						
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																						
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																						
	Site formation for residential, commercial and G/IC sites																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT04 No.23F, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																														
	STAGE 2																																				
	Development Stage 2 - Contract S2C1																																				
	District Distributor Road D6, D7 and D8, and local roads																																				
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																														
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																														
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																														
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																				
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																														
	Site formation and development for Fresh Water Service Reservoir																																				
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																														
	Site formation for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																														
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																														
	Site development for residential & commercial developments, G/IC and Open Space areas																																				
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																														
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																														
	Site formation for a new District Cooling System																																				
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																														
	Development Stage 2 - Contract S2C2																																				
	District Distributor Road D1, a section of Road D3 and local roads																																				
S2C2-i	Road D3	116	2	n/a	--	3	3																														
S2C2-i	Road D1	116	2	n/a	--	3	3																														
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																														
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																														
	Site formation for a new HSK STW																																				
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																														
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																														
	Site development for a new HSK STW																																				
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																														
	A new Sewage Pumping Station SPS4 and associated rising mains																																				
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																														
	Associated rising mains																																				
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S2C2-iv	site 5-40	131	1	n/a	--	0	3																														
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																														
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	291	-57.2	6	3																														
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																				
	sites 3-9 and 3-4																																				
S2C2-vd	site 3-4	121	1	n/a	--	0	3																														
S2C2-vd	site 3-9	121	1	n/a	--	0	3																														
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																														
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																														
	sites 3-18 and 3-5																																				
S2C2-vd	site 3-18	121	1	n/a	--	0	3																														
S2C2-vd	site 3-5	121	1	n/a	--	0	3																														
S2C2-vd	site 3-1	121	2	226	-55.1	3	3																														
	STAGE 3																																				
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																				
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																														
S3C1-i	Road D4	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																														
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																														
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																														
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																														
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																														
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																														
	Site formation for residential, commercial and G/IC sites																																				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT04 No.23F, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	206	-54.3	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	206	-54.3	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		
																				71	71	71	71	71	76	76	76	76	76	76	76	76	76	74	74	74	74	74	74	74	74	74	74				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT04 No.23F, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026				2027				2028				2029				2030				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																						
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																						
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	206	-54.3	7	3																						
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																						
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																						
	Site development for residential, commercial and G/IC sites																												
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																						
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	206	-54.3	8	3																						
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C2																												
	District Distributor Road D3 and D5																												
S3C2-i	Road D3	114	4	n/a	--	6	3																						
S3C2-i	Road D5	114	4	n/a	--	6	3																						
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																						
	Slip roads connecting KSWH and Road D3																												
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																						
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																						
	A new TSE reservoirs and associated pumping stations and rising mains																												
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																						
	Site formation for Logistics and Enterprise & Technology Park sites																												
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																						
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																						
	Site development for Logistics and Enterprise & Technology Park sites																												
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																						
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																						
	Development Stage 3 - Contract S3C3																												
	Local Roads serving district open space																												
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																						
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																						
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																												
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																						
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																						
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																												
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																						
	Site formation for G/IC sites																												
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																						
	Site development for G/IC sites																												
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																						
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																						
	STAGE 4																												
	Development Stage 4 - Contract S4C1																												
	Removal of existing Tin Ying Road																												
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																						
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																						
	Drainage Channel Re-vitalization																												
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																						
	Stormwater Storage Tank near Tin Shui Wai Channel																												
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																						
	Local roads serving development sites																												
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																						
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																						
	Site formation for a new District Cooling System																												
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																						
	Site development for a new District Cooling System																												
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																						
	Site formation for residential, G/IC, commercial and Open Space Areas																												
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																						
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																						
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																						
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																						
	Site development for residential, G/IC, commercial and Open Space Areas																												
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																						
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																						
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																						
	Predicted Noise Level , dB(A)							70	70	70	70	70	70	70	70	70	70									72	72	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: EFKT04 No.23F, Fung Kong Tsuen

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	31		2032				2033				2034				2035				2036				2037				2038			
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	206	-54.3	7	3			78	78	78	78	78	78	78	78	78	78																		
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	206	-54.3	8	3											76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76				
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																														
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)									78	78	78	78	78	78	78	78	78	78	80	80	76	76	76	76	76	76	76	76	76	76	76	76				

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10353 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10353 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10353 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10353 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and assciated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10353 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10353 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10353 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	140.04	-50.9	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	137.26	-50.7	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	70.62	-45.0	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	131.2	-50.3	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10353 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	140.04	-50.9	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																													
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	137.26	-50.7	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	70.62	-45.0	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	131.2	-50.3	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																													
	Predicted Noise Level , dB(A)																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10353 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																								
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	140.04	-50.9	5	3						75	75	75																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																								
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	137.26	-50.7	6	3													73	73	73	73	73	73	73	73						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																								
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																								
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	70.62	-45.0	5	3			85	85	85	85	85	85	85															
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																								
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	131.2	-50.3	0	3														73	73	73	73	73	73	73	73	73	73	73	73	73
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																								
	Predicted Noise Level , dB(A)									85	85	85	85	85	85	85	75	75	75	73	73	73	76	76	76	76	73	73	73	73	73	73	73

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10354 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10354 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10354 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10354 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and assciated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10354 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10354 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10354 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	129.02	-50.2	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	157.51	-51.9	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	83.15	-46.4	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	150.75	-51.5	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10354 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	129.02	-50.2	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																													
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	157.51	-51.9	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	83.15	-46.4	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	150.75	-51.5	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																													
	Predicted Noise Level , dB(A)																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 10354 Planned School in Area 1-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	129.02	-50.2	5	3						76	76	76																	
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	157.51	-51.9	6	3														72	72	72	72	72	72	72	72				
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	83.15	-46.4	5	3		83	83	83	83	83	83	83																	
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	150.75	-51.5	0	3															72	72	72	72	72	72	72	72	72	72	72
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								83	83	83	83	83	83	83		76	76	76		72	72	72	75	75	75	75	75	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11203 Planned Residential Development in Area 1-12

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11203 Planned Residential Development in Area 1-12

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11203 Planned Residential Development in Area 1-12

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)		2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11203 Planned Residential Development in Area 1-12

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11203 Planned Residential Development in Area 1-12

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11203 Planned Residential Development in Area 1-12

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)		2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11203 Planned Residential Development in Area 1-12

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	163.51	-52.3	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	177.19	-53.0	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	173.97	-52.8	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	87.76	-46.8	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	154.38	-51.8	0	3																									
	Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11203 Planned Residential Development in Area 1-12

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	163.51	-52.3	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	177.19	-53.0	5	3																													
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	173.97	-52.8	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	87.76	-46.8	3	3																													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	154.38	-51.8	0	3																													
	Predicted Noise Level , dB(A)																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11203 Planned Residential Development in Area 1-12

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)		2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	163.51	-52.3	5	3										74	74	74													
S4C1-i	Tin Ying Road - part 3	118	3	177.19	-53.0	5	3												73	73	73	73										
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	173.97	-52.8	6	3																71	71	71	71	71	71	71	71		
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	87.76	-46.8	3	3						81	81	81	81	81	81	81	81												
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	154.38	-51.8	0	3																									72
	Predicted Noise Level , dB(A)												81	81	81	81	81	82	82	73	73	73	71	71	71	71	71	71	71	71	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11556 Planned School in Area 1-15

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11556 Planned School in Area 1-15

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11556 Planned School in Area 1-15

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)		2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11556 Planned School in Area 1-15

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11556 Planned School in Area 1-15

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11556 Planned School in Area 1-15

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11556 Planned School in Area 1-15

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	237.3	-55.5	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	180.99	-53.1	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	200.64	-54.0	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	68.09	-44.6	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	89.13	-47.0	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11556 Planned School in Area 1-15

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	237.3	-55.5	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	180.99	-53.1	5	3																													
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	200.64	-54.0	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	68.09	-44.6	3	3																													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	89.13	-47.0	0	3																													
	Predicted Noise Level , dB(A)																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11556 Planned School in Area 1-15

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034					2035					2036					2037					2038				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	237.3	-55.5	5	3										70	70	70																	
S4C1-i	Tin Ying Road - part 3	118	3	180.99	-53.1	5	3												73	73	73	73														
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	200.64	-54.0	6	3																70	70	70	70	70	70	70	70						
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	68.09	-44.6	3	3						83	83	83	83	83	83	83	83																
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	89.13	-47.0	0	3																											77	77	77	77
	Predicted Noise Level , dB(A)												83	83	83	83	83	84	84	84	73	73	73			70	70	70	70	70	70	70	70	77	77	77	77

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11702 Planned Residential Development in Area 1-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11702 Planned Residential Development in Area 1-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11702 Planned Residential Development in Area 1-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)		2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11702 Planned Residential Development in Area 1-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11702 Planned Residential Development in Area 1-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11702 Planned Residential Development in Area 1-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)		2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and asscciated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11702 Planned Residential Development in Area 1-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	293.63	-57.3	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	163.83	-52.3	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	203.13	-54.1	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	231.65	-55.3	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	75.03	-45.5	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	131.84	-50.4	0	3																									
	Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11702 Planned Residential Development in Area 1-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	293.63	-57.3	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	163.83	-52.3	5	3																													
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	203.13	-54.1	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	231.65	-55.3	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	75.03	-45.5	3	3																													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	131.84	-50.4	0	3																													
	Predicted Noise Level , dB(A)																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 11702 Planned Residential Development in Area 1-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)		2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	293.63	-57.3	5	3									69	69	69														
S4C1-i	Tin Ying Road - part 3	118	3	163.83	-52.3	5	3											74	74	74	74											
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	203.13	-54.1	6	3																		70	70	70	70	70	70	70	70
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	231.65	-55.3	0	3													68	68	68	68	68	68	68	68	68	68	68	68	68	68
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	75.03	-45.5	3	3						83	83	83	83	83	83	83	83												
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	131.84	-50.4	0	3																									73
	Predicted Noise Level , dB(A)												83	83	83	83	83	83	83	74	74	74	68	68	68	68	68	68	68	68	68	68

ID	Construction Activity	2038																														
		Q1	Q2	Q3	Q4																											
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22																															
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18																															
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33																															
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17																															
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9																															
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42																															
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)																															
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)																															
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)																															
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3																															
S3C2-i	Road D5																															
S3C2-i	Road D3 - Underpass																															
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1																															
S3C2-ii	Slip roads - part 2																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains																															
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23																															
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31																															
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42																															
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34																															
S3C2-ivd	Sites 3-36 and 3-37																															
S3C2-ivd	Sites 3-22 and 3-23																															
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27																															
S3C3-i	Local roads serving Site 1-29																															
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel																															
S3C3-ii	Hung Shui Kiu Channel																															
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43																															
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)																															
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30																															
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)																															
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30																															
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1																															
S4C1-i	Tin Ying Road - part 2																															
S4C1-i	Tin Ying Road - part 3																															
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1																															
S4C1-ii	Channel Re-vitalization - part 2																															
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13																															
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan																															
S4C1-iv	Local roads serving area near Tin Shui Wai Channel																															
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24																															
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24																															
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35																															
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17																															
S4C1-vif	Sites 2-11 and 2-12																															
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7																															
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16																															
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15																															
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16																															
S4C1-vid	Sites 1-2																															
S4C1-vid	Sites 1-10, 1-11 and 1-14	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
	Predicted Noise Level , dB(A)	74	74	74	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21801 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21801 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21801 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21801 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	148.09	-51.4	5	3																										
S3C1-i	Road D1 - part 2	114	3	215.5	-54.7	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21801 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	148.09	-51.4	5	3																													71
S3C1-i	Road D1 - part 2	114	3	215.5	-54.7	5	3																											68	68	68
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21801 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	148.09	-51.4	5	3	71	71	71	71																					
S3C1-i	Road D1 - part 2	114	3	215.5	-54.7	5	3	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21801 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	224	-55.0	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	224	-55.0	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	57.98	-43.2	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	53.31	-42.5	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	157.28	-51.9	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	171.37	-52.7	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	259.3	-56.3	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	57.98	-43.2	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21801 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	224	-55.0	7	3																									77	77	77
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	224	-55.0	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	57.98	-43.2	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	53.31	-42.5	0	3																							75	75	75	75	75	75	75
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	157.28	-51.9	3	3																											76
S4C1-vif	Sites 2-11 and 2-12	122	2	171.37	-52.7	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	259.3	-56.3	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	57.98	-43.2	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																													75	75	75	75	75	75	75

ID	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4	2039 Q1	2039 Q2	2039 Q3	2039 Q4	2040 Q1	2040 Q2	2040 Q3	2040 Q4	2041 Q1	2041 Q2	2041 Q3	2041 Q4	2042 Q1	2042 Q2	2042 Q3	2042 Q4
S3C1-iif																																							
S3C1-iif																																							
S3C1-iif																																							
S3C1-iif	77																																						
S3C1-iif																																							
S3C1-iif																																							
S3C1-iid																																							
S3C1-iid																																							
S3C1-iid																																							
S3C2-i																																							
S3C2-i																																							
S3C2-i																																							
S3C2-ii																																							
S3C2-ii																																							
S3C2-iii																																							
S3C2-ivf																																							
S3C2-ivf																																							
S3C2-ivf																																							
S3C2-ivd																																							
S3C2-ivd																																							
S3C2-ivd																																							
S3C3-i																																							
S3C3-i																																							
S3C3-ii																																							
S3C3-ii																																							
S3C3-iii																																							
S3C3-ivf																																							
S3C3-ivf																																							
S3C3-ivd																																							
S3C3-ivd																																							
S4C1-i																																							
S4C1-i																																							
S4C1-i																																							
S4C1-ii																																							
S4C1-ii																																							
S4C1-iii																																							
S4C1-iv	75																																						
S4C1-iv																																							
S4C1-vf																																							
S4C1-vd																																							
S4C1-vif																																							
S4C1-vif	76																																						
S4C1-vif																																							
S4C1-vif																																							
S4C1-vif																																							
S4C1-vid																																							
S4C1-vid																																							
S4C1-vid																																							
S4C1-vid																																							
	75																																						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21801 Planned Residential Development in Area 2-18

| ID | Construction Activity | SWL, dB(A) | No. of Workfront | Distance ,m | Corr. for distance, dB(A) | Corr. For workfront, dB(A) | Corr. for façade, dB(A) | 2033 | | | | | | | | | | | | 2034 | | | | | | | | | | | | 2035 | | | | | | | | | | | | 2036 | | | | | | | | | | | | 2037 | | | | | | | | | | | | 2038 | | | | | | | | | | | |
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Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21802 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21802 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21802 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21802 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	146.03	-51.3	5	3																										
S3C1-i	Road D1 - part 2	114	3	218.97	-54.8	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21802 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	146.03	-51.3	5	3																													71
S3C1-i	Road D1 - part 2	114	3	218.97	-54.8	5	3																											67	67	67
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21802 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	146.03	-51.3	5	3	71	71	71	71	71																				
S3C1-i	Road D1 - part 2	114	3	218.97	-54.8	5	3	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21802 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	223	-54.9	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	223	-54.9	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	72.71	-45.2	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	68.82	-44.7	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	117.37	-49.4	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	190.7	-53.6	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	269.84	-56.6	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	72.71	-45.2	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21802 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	223	-54.9	7	3																									77	77	77
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	223	-54.9	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	72.71	-45.2	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	68.82	-44.7	0	3																							73	73	73	73	73	73	73
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	117.37	-49.4	3	3																											79
S4C1-vif	Sites 2-11 and 2-12	122	2	190.7	-53.6	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	269.84	-56.6	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	72.71	-45.2	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																													73	73	73	73	73	73	73

ID	2032 Q3	2032 Q4
S3C1-iif		
S3C1-iif		
S3C1-iif		
S3C1-iif	77	77
S3C1-iif		
S3C1-iif		
S3C1-iid		
S3C1-iid		
S3C1-iid		
S3C2-i		
S3C2-i		
S3C2-i		
S3C2-ii		
S3C2-ii		
S3C2-iii		
S3C2-ivf		
S3C2-ivf		
S3C2-ivf		
S3C2-ivd		
S3C2-ivd		
S3C2-ivd		
S3C3-i		
S3C3-i		
S3C3-ii		
S3C3-ii		
S3C3-iii		
S3C3-ivf		
S3C3-ivf		
S3C3-ivd		
S3C3-ivd		
S4C1-i		
S4C1-i		
S4C1-i		
S4C1-ii		
S4C1-ii		
S4C1-iii		
S4C1-iv	73	73
S4C1-iv		
S4C1-vf		
S4C1-vd		
S4C1-vif		
S4C1-vif	79	79
S4C1-vif		
S4C1-vif		
S4C1-vif		
S4C1-vid		
S4C1-vid		
S4C1-vid		
S4C1-vid		
	82	82

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21802 Planned Residential Development in Area 2-18

| ID | Construction Activity | SWL, dB(A) | No. of Workfront | Distance ,m | Corr. for distance, dB(A) | Corr. For workfront, dB(A) | Corr. for façade, dB(A) | 2033 | | | | | | | | | | | | 2034 | | | | | | | | | | | | 2035 | | | | | | | | | | | | 2036 | | | | | | | | | | | | 2037 | | | | | | | | | | | | 2038 | | | | | | | |
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Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21803 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21803 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21803 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21803 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	256.19	-56.2	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21803 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	256.19	-56.2	5	3																													66
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21803 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	256.19	-56.2	5	3	66	66	66	66																					
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21803 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	283	-57.0	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	283	-57.0	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	149.98	-51.5	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	104.67	-48.4	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	57.93	-43.2	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	215.65	-54.7	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	169.95	-52.6	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	149.98	-51.5	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21803 Planned Residential Development in Area 2-18

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	283	-57.0	7	3																									75	75	75
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	283	-57.0	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	149.98	-51.5	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	104.67	-48.4	0	3																							69	69	69	69	69	69	69
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	57.93	-43.2	3	3																									85	85	85
S4C1-vif	Sites 2-11 and 2-12	122	2	215.65	-54.7	3	3																											73
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	169.95	-52.6	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	149.98	-51.5	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																													69	69	69	69	69	69	69

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21803 Planned Residential Development in Area 2-18

| ID | Construction Activity | SWL, dB(A) | No. of Workfront | Distance ,m | Corr. for distance, dB(A) | Corr. For workfront, dB(A) | Corr. for façade, dB(A) | 2033 | | | | | | | | | | | | 2034 | | | | | | | | | | | | 2035 | | | | | | | | | | | | 2036 | | | | | | | | | | | | 2037 | | | | | | | | | | | | 2038 | | | | | | | | | | | |
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Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21901 Planned Residential Development in Area 2-19

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21901 Planned Residential Development in Area 2-19

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21901 Planned Residential Development in Area 2-19

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21901 Planned Residential Development in Area 2-19

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	263.25	-56.4	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21901 Planned Residential Development in Area 2-19

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	263.25	-56.4	5	3																													66
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21901 Planned Residential Development in Area 2-19

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	263.25	-56.4	5	3	66	66	66	66																					
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21901 Planned Residential Development in Area 2-19

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	206.13	-54.3	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	185.04	-53.3	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	180.56	-53.1	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	252.33	-56.0	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	206.13	-54.3	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21901 Planned Residential Development in Area 2-19

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	206.13	-54.3	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	185.04	-53.3	0	3																							64	64	64	64	64	64	64
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	180.56	-53.1	3	3																										75	75	75
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	252.33	-56.0	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	206.13	-54.3	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																													64	64	64	64	64	64	64

| 2032 Q4 | 2033 Q1 | 2033 Q2 | 2033 Q3 | 2033 Q4 | 2034 Q1 | 2034 Q2 | 2034 Q3 | 2034 Q4 | 2035 Q1 | 2035 Q2 | 2035 Q3 | 2035 Q4 | 2036 Q1 | 2036 Q2 | 2036 Q3 | 2036 Q4 | 2037 Q1 | 2037 Q2 | 2037 Q3 | 2037 Q4 | 2038 Q1 | 2038 Q2 | 2038 Q3 | 2038 Q4 | 2039 Q1 | 2039 Q2 | 2039 Q3 | 2039 Q4 | 2040 Q1 | 2040 Q2 | 2040 Q3 | 2040 Q4 | 2041 Q1 | 2041 Q2 | 2041 Q3 | 2041 Q4 | 2042 Q1 | 2042 Q2 | 2042 Q3 | 2042 Q4 | 2043 Q1 | 2043 Q2 | 2043 Q3 | 2043 Q4 | 2044 Q1 | 2044 Q2 | 2044 Q3 | 2044 Q4 | 2045 Q1 | 2045 Q2 | 2045 Q3 | 2045 Q4 | 2046 Q1 | 2046 Q2 | 2046 Q3 | 2046 Q4 | 2047 Q1 | 2047 Q2 | 2047 Q3 | 2047 Q4 | 2048 Q1 | 2048 Q2 | 2048 Q3 | 2048 Q4 | 2049 Q1 | 2049 Q2 | 2049 Q3 | 2049 Q4 | 2050 Q1 | 2050 Q2 | 2050 Q3 | 2050 Q4 | 2051 Q1 | 2051 Q2 | 2051 Q3 | 2051 Q4 | 2052 Q1 | 2052 Q2 | 2052 Q3 | 2052 Q4 | 2053 Q1 | 2053 Q2 | 2053 Q3 | 2053 Q4 | 2054 Q1 | 2054 Q2 | 2054 Q3 | 2054 Q4 | 2055 Q1 | 2055 Q2 | 2055 Q3 | 2055 Q4 | 2056 Q1 | 2056 Q2 | 2056 Q3 | 2056 Q4 | 2057 Q1 | 2057 Q2 | 2057 Q3 | 2057 Q4 | 2058 Q1 | 2058 Q2 | 2058 Q3 | 2058 Q4 | 2059 Q1 | 2059 Q2 | 2059 Q3 | 2059 Q4 | 2060 Q1 | 2060 Q2 | 2060 Q3 | 2060 Q4 | 2061 Q1 | 2061 Q2 | 2061 Q3 | 2061 Q4 | 2062 Q1 | 2062 Q2 | 2062 Q3 | 2062 Q4 | 2063 Q1 | 2063 Q2 | 2063 Q3 | 2063 Q4 | 2064 Q1 | 2064 Q2 | 2064 Q3 | 2064 Q4 | 2065 Q1 | 2065 Q2 | 2065 Q3 | 2065 Q4 | 2066 Q1 | 2066 Q2 | 2066 Q3 | 2066 Q4 | 2067 Q1 | 2067 Q2 | 2067 Q3 | 2067 Q4 | 2068 Q1 | 2068 Q2 | 2068 Q3 | 2068 Q4 | 2069 Q1 | 2069 Q2 | 2069 Q3 | 2069 Q4 | 2070 Q1 | 2070 Q2 | 2070 Q3 | 2070 Q4 | 2071 Q1 | 2071 Q2 | 2071 Q3 | 2071 Q4 | 2072 Q1 | 2072 Q2 | 2072 Q3 | 2072 Q4 | 2073 Q1 | 2073 Q2 | 2073 Q3 | 2073 Q4 | 2074 Q1 | 2074 Q2 | 2074 Q3 | 2074 Q4 | 2075 Q1 | 2075 Q2 | 2075 Q3 | 2075 Q4 | 2076 Q1 | 2076 Q2 | 2076 Q3 | 2076 Q4 | 2077 Q1 | 2077 Q2 | 2077 Q3 | 2077 Q4 | 2078 Q1 | 2078 Q2 | 2078 Q3 | 2078 Q4 | 2079 Q1 | 2079 Q2 | 2079 Q3 | 2079 Q4 | 2080 Q1 | 2080 Q2 | 2080 Q3 | 2080 Q4 | 2081 Q1 | 2081 Q2 | 2081 Q3 | 2081 Q4 | 2082 Q1 | 2082 Q2 | 2082 Q3 | 2082 Q4 | 2083 Q1 | 2083 Q2 | 2083 Q3 | 2083 Q4 | 2084 Q1 | 2084 Q2 | 2084 Q3 | 2084 Q4 | 2085 Q1 | 2085 Q2 | 2085 Q3 | 2085 Q4 | 2086 Q1 | 2086 Q2 | 2086 Q3 | 2086 Q4 | 2087 Q1 | 2087 Q2 | 2087 Q3 | 2087 Q4 | 2088 Q1 | 2088 Q2 | 2088 Q3 | 2088 Q4 | 2089 Q1 | 2089 Q2 | 2089 Q3 | 2089 Q4 | 2090 Q1 | 2090 Q2 | 2090 Q3 | 2090 Q4 | 2091 Q1 | 2091 Q2 | 2091 Q3 | 2091 Q4 | 2092 Q1 | 2092 Q2 | 2092 Q3 | 2092 Q4 | 2093 Q1 | 2093 Q2 | 2093 Q3 | 2093 Q4 | 2094 Q1 | 2094 Q2 | 2094 Q3 | 2094 Q4 | 2095 Q1 | 2095 Q2 | 2095 Q3 | 2095 Q4 | 2096 Q1 | 2096 Q2 | 2096 Q3 | 2096 Q4 | 2097 Q1 | 2097 Q2 | 2097 Q3 | 2097 Q4 | 2098 Q1 | 2098 Q2 | 2098 Q3 | 2098 Q4 | 2099 Q1 | 2099 Q2 | 2099 Q3 | 2099 Q4 | 2100 Q1 | 2100 Q2 | 2100 Q3 | 2100 Q4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 21901 Planned Residential Development in Area 2-19

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	206.13	-54.3	0	3														70	70	70	70	70	70	70	70	70	70	70	70	70
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	185.04	-53.3	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	180.56	-53.1	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	252.33	-56.0	0	3		68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	206.13	-54.3	0	3														69	69	69	69	69	69	69	69	69	69	69	69	69
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)							66	66	66	70	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	69	73	73	73	73	73	73	73	73	73	73	73	73	73	73	70	70	70	70	70	70	70	70	70	70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 23101 Planned Residential Development in Area 2-31

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 23101 Planned Residential Development in Area 2-31

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																			
	Advanced Works - Phase 1 - Contract AWC1																																			
	Site formation for residential site 5-26																																			
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																													
	Site development for residential site 5-26																																			
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																													
	Advanced Works - Phase 2 - Contract AWC2																																			
	Site formation for ESS 1																																			
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																													
	Site formation for residential site 4-20, 5-24																																			
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																													
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																													
	Site development for residential site 4-20, 5-24																																			
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																													
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																													
	Advanced Works - Phase 3 - Contract AWC3																																			
	Site formation for residential, G/IC, commercial and industrial development areas																																			
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																													
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																													
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																													
	Site development for residential, G/IC, commercial and industrial development areas																																			
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-36	118																																		
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																													
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																													
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																													
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																			
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																													
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																													
	Advance Works Stage - Contract AWC4																																			
	Road P1 and associated works, and other District Distributors																																			
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																													
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																													
	Slip Roads (Connection between Road P1 and KSWH)																																			
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																													
	STAGE 1																																			
	Development Stage 1 - Contract S1C1																																			
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																			
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																													
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use site																																			
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																													
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																													
	Site development for Port Back-up and Storage Use site																																			
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																													
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																													

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 23101 Planned Residential Development in Area 2-31

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 23101 Planned Residential Development in Area 2-31

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 23101 Planned Residential Development in Area 2-31

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 23101 Planned Residential Development in Area 2-31

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 23101 Planned Residential Development in Area 2-31

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	20 Q1	20 Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																								
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	200.03	-54.0	5	3																								
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																								
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																								
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																								
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																								
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	92.49	-47.3	5	3																								
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																								
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	238.58	-55.5	0	3																								
	Predicted Noise Level , dB(A)																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 23101 Planned Residential Development in Area 2-31

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	200.03	-54.0	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	92.49	-47.3	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	238.58	-55.5	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 23101 Planned Residential Development in Area 2-31

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																								
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																								
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																								
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																								
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																								
	Site development for residential, commercial and G/IC sites																														
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																								
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																								
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C2																														
	District Distributor Road D3 and D5																														
S3C2-i	Road D3	114	4	n/a	--	6	3																								
S3C2-i	Road D5	114	4	n/a	--	6	3																								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																								
	Slip roads connecting KSWH and Road D3																														
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																								
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																								
	A new TSE reservoirs and associated pumping stations and rising mains																														
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																								
	Site formation for Logistics and Enterprise & Technology Park sites																														
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																								
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																								
	Site development for Logistics and Enterprise & Technology Park sites																														
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																								
	Development Stage 3 - Contract S3C3																														
	Local Roads serving district open space																														
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																								
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																								
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																														
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																								
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																														
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																								
	Site formation for G/IC sites																														
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																								
	Site development for G/IC sites																														
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																								
	STAGE 4																														
	Development Stage 4 - Contract S4C1																														
	Removal of existing Tin Ying Road																														
S4C1-i	Tin Ying Road - part 1	118	3	200.03	-54.0	5	3						72	72	72																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																								
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																								
	Drainage Channel Re-vitalization																														
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																								
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																								
	Stormwater Storage Tank near Tin Shui Wai Channel																														
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																								
	Local roads serving development sites																														
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																								
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																								
	Site formation for a new District Cooling System																														
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																								
	Site formation for residential, G/IC, commercial and Open Space Areas																														
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																								
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																								
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	92.49	-47.3	5	3			83	83	83	83	83	83	83															
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																								
	Site development for residential, G/IC, commercial and Open Space Areas																														
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																								
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																								
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	238.58	-55.5	0	3																						68	68	68	68
	Predicted Noise Level , dB(A)									83	83	83	83	83	83	83	72	72	72										68	68	68	68

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40305 Planned Residential Development in Area 4-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40305 Planned Residential Development in Area 4-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40305 Planned Residential Development in Area 4-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40305 Planned Residential Development in Area 4-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40305 Planned Residential Development in Area 4-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40305 Planned Residential Development in Area 4-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033				2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																														
	sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40305 Planned Residential Development in Area 4-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	87.19	-46.8	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	124.15	-49.9	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40305 Planned Residential Development in Area 4-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	87.19	-46.8	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	124.15	-49.9	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40305 Planned Residential Development in Area 4-3

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033								2034				2035				2036				2037				2038			
								Q4				Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4	
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																														
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																														
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																														
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																														
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																														
	Site development for residential, commercial and G/IC sites																																				
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																														
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																														
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C2																																				
	District Distributor Road D3 and D5																																				
S3C2-i	Road D3	114	4	n/a	--	6	3																														
S3C2-i	Road D5	114	4	n/a	--	6	3																														
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																														
	Slip roads connecting KSWH and Road D3																																				
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																														
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																														
	A new TSE reservoirs and associated pumping stations and rising mains																																				
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																														
	Site formation for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																														
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	87.19	-46.8	9	3							82	82	82	82	82	82	82	82	82															
	Site development for Logistics and Enterprise & Technology Park sites																																				
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																														
S3C2-ivd	Sites 3-36 and 3-37	119	6	124.15	-49.9	8	3											80	80	80	80	80	80	80	80	80	80	80	80								
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																														
	Development Stage 3 - Contract S3C3																																				
	Local Roads serving district open space																																				
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																														
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																														
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																				
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																														
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																														
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																				
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																														
	Site formation for G/IC sites																																				
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																														
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																														
	Site development for G/IC sites																																				
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																														
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																														
	STAGE 4																																				
	Development Stage 4 - Contract S4C1																																				
	Removal of existing Tin Ying Road																																				
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																														
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																														
	Drainage Channel Re-vitalization																																				
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																														
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																														
	Stormwater Storage Tank near Tin Shui Wai Channel																																				
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																														
	Local roads serving development sites																																				
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																														
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																														
	Site formation for a new District Cooling System																																				
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																														
	Site development for a new District Cooling System																																				
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																														
	Site formation for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																														
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																														
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																														
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																														
	Site development for residential, G/IC, commercial and Open Space Areas																																				
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																														
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																														
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																														
	Predicted Noise Level , dB(A)													82	82	82	82	84	84	84	84	84	80	80	80	80	80	80	80								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40602 Planned Residential Development in Area 4-6

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40602 Planned Residential Development in Area 4-6

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40602 Planned Residential Development in Area 4-6

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40602 Planned Residential Development in Area 4-6

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																										
	STAGE 2																																
	Development Stage 2 - Contract S2C1																																
	District Distributor Road D6, D7 and D8, and local roads																																
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																										
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																										
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																										
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																										
	Site formation and development for Fresh Water Service Reservoir																																
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																										
	Site formation for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																										
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																										
	Site development for residential & commercial developments, G/IC and Open Space areas																																
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																										
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																										
	Site formation for a new District Cooling System																																
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																										
	Development Stage 2 - Contract S2C2																																
	District Distributor Road D1, a section of Road D3 and local roads																																
S2C2-i	Road D3	116	2	n/a	--	3	3																										
S2C2-i	Road D1	116	2	n/a	--	3	3																										
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																										
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																										
	Site formation for a new HSK STW																																
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																										
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																										
	Site development for a new HSK STW																																
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																										
	A new Sewage Pumping Station SPS4 and associated rising mains																																
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																										
	Associated rising mains																																
	A new TSE reservoirs and associated pumping stations and rising mains																																
S2C2-iv	site 5-40	131	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																										
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																										
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																
	sites 3-9 and 3-4																																
S2C2-vd	site 3-4	121	1	n/a	--	0	3																										
S2C2-vd	site 3-9	121	1	n/a	--	0	3																										
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																										
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																										
	sites 3-18 and 3-5																																
S2C2-vd	site 3-18	121	1	n/a	--	0	3																										
S2C2-vd	site 3-5	121	1	n/a	--	0	3																										
S2C2-vd	site 3-1	121	2	n/a	--	3	3																										
	STAGE 3																																
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																										
S3C1-i	Road D4	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																										
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																										
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																										
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																										
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																										
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																										
	Site formation for residential, commercial and G/IC sites																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40602 Planned Residential Development in Area 4-6

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25 Q3	25 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4	2032 Q1	2032 Q2	2032 Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																													
	STAGE 2																																			
	Development Stage 2 - Contract S2C1																																			
	District Distributor Road D6, D7 and D8, and local roads																																			
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																													
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																													
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																													
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																			
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																													
	Site formation and development for Fresh Water Service Reservoir																																			
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																													
	Site formation for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																													
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																													
	Site development for residential & commercial developments, G/IC and Open Space areas																																			
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																													
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																													
	Site formation for a new District Cooling System																																			
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																													
	Development Stage 2 - Contract S2C2																																			
	District Distributor Road D1, a section of Road D3 and local roads																																			
S2C2-i	Road D3	116	2	n/a	--	3	3																													
S2C2-i	Road D1	116	2	n/a	--	3	3																													
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																													
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																													
	Site formation for a new HSK STW																																			
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																													
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																													
	Site development for a new HSK STW																																			
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																													
	A new Sewage Pumping Station SPS4 and associated rising mains																																			
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																													
	Associated rising mains																																			
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S2C2-iv	site 5-40	131	1	n/a	--	0	3																													
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																													
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																													
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																			
	sites 3-9 and 3-4																																			
S2C2-vd	site 3-4	121	1	n/a	--	0	3																													
S2C2-vd	site 3-9	121	1	n/a	--	0	3																													
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																													
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																													
	sites 3-18 and 3-5																																			
S2C2-vd	site 3-18	121	1	n/a	--	0	3																													
S2C2-vd	site 3-5	121	1	n/a	--	0	3																													
S2C2-vd	site 3-1	121	2	n/a	--	3	3																													
	STAGE 3																																			
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																			
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																													
S3C1-i	Road D4	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																													
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																													
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																													
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																													
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																													
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																													
	Site formation for residential, commercial and G/IC sites																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40602 Planned Residential Development in Area 4-6

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033					2034				2035				2036				2037				2038			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40602 Planned Residential Development in Area 4-6

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				20	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																										
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																										
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																										
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																										
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																										
	Site development for residential, commercial and G/IC sites																																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																										
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																										
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C2																																
	District Distributor Road D3 and D5																																
S3C2-i	Road D3	114	4	n/a	--	6	3																										
S3C2-i	Road D5	114	4	n/a	--	6	3																										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																										
	Slip roads connecting KSWH and Road D3																																
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																										
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																										
	A new TSE reservoirs and associated pumping stations and rising mains																																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																										
	Site formation for Logistics and Enterprise & Technology Park sites																																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																										
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	96.25	-47.6	9	3																										
	Site development for Logistics and Enterprise & Technology Park sites																																
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																										
S3C2-ivd	Sites 3-36 and 3-37	119	6	230.69	-55.2	8	3																										
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																										
	Development Stage 3 - Contract S3C3																																
	Local Roads serving district open space																																
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																										
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																										
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																										
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																										
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																										
	Site formation for G/IC sites																																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																										
	Site development for G/IC sites																																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																										
	STAGE 4																																
	Development Stage 4 - Contract S4C1																																
	Removal of existing Tin Ying Road																																
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																										
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																										
	Drainage Channel Re-vitalization																																
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																										
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																										
	Stormwater Storage Tank near Tin Shui Wai Channel																																
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																										
	Local roads serving development sites																																
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																										
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																										
	Site formation for a new District Cooling System																																
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																										
	Site development for a new District Cooling System																																
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																										
	Site formation for residential, G/IC, commercial and Open Space Areas																																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																										
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																										
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																										
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																										
	Site development for residential, G/IC, commercial and Open Space Areas																																
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																										
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																										
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																										
	Predicted Noise Level , dB(A)																																

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40602 Planned Residential Development in Area 4-6

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	25		2026				2027				2028				2029				2030				2031				2032		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																													
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																													
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																													
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																													
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																													
	Site development for residential, commercial and G/IC sites																																			
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																													
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																													
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C2																																			
	District Distributor Road D3 and D5																																			
S3C2-i	Road D3	114	4	n/a	--	6	3																													
S3C2-i	Road D5	114	4	n/a	--	6	3																													
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																													
	Slip roads connecting KSWH and Road D3																																			
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																													
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																													
	A new TSE reservoirs and associated pumping stations and rising mains																																			
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																													
	Site formation for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																													
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	96.25	-47.6	9	3																													
	Site development for Logistics and Enterprise & Technology Park sites																																			
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																													
S3C2-ivd	Sites 3-36 and 3-37	119	6	230.69	-55.2	8	3																													
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																													
	Development Stage 3 - Contract S3C3																																			
	Local Roads serving district open space																																			
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																													
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																													
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																			
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																													
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																													
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																			
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																													
	Site formation for G/IC sites																																			
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																													
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																													
	Site development for G/IC sites																																			
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																													
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																													
	STAGE 4																																			
	Development Stage 4 - Contract S4C1																																			
	Removal of existing Tin Ying Road																																			
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																													
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																													
	Drainage Channel Re-vitalization																																			
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																													
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																													
	Stormwater Storage Tank near Tin Shui Wai Channel																																			
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																													
	Local roads serving development sites																																			
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																													
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																													
	Site formation for a new District Cooling System																																			
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																													
	Site development for a new District Cooling System																																			
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																													
	Site formation for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																													
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																													
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																													
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																													
	Site development for residential, G/IC, commercial and Open Space Areas																																			
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																													
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																													
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																													
	Predicted Noise Level , dB(A)																																			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 40602 Planned Residential Development in Area 4-6

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2033								2034				2035				2036				2037				2038			
								Q4								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	96.25	-47.6	9	3					81	81	81	81	81	81	81	81	81	81	81													
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	230.69	-55.2	8	3									74	74	74	74	74	74	74	74												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)											81	81	81	81	82	82	82	82	82	82	74	74	74	74	74	74								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42001 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	114.29	-49.1	6	3																					79	79	79	79	79	79	79
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	114.29	-49.1	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	86.81	-46.8	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	237.65	-55.5	5	3																					67	67	67	67	67	67	67
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	274.85	-56.8	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	207.18	-54.3	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42001 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	114.29	-49.1	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	114.29	-49.1	0	3													72	72	72	72	72	72	72	72	72	72	72	72	72	72
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	86.81	-46.8	0	3						76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	237.65	-55.5	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	274.85	-56.8	0	3			64	64	64	64	64	64	64	64	64	64													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	207.18	-54.3	0	3							66	66	66	66	66	66	66	66	66	66									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42001 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	114.29	-49.1	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	114.29	-49.1	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	86.81	-46.8	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	237.65	-55.5	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	274.85	-56.8	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	207.18	-54.3	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42001 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	50.09	-42.0	6	3																											
S2C1-i	Road D8 - part 2	116	4	224.72	-55.0	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	51.81	-42.3	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	94.81	-47.5	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	116.05	-49.3	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	94.81	-47.5	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	138.4	-50.8	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	138.4	-50.8	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42001 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	50.09	-42.0	6	3													83	83	83	83	83	83	83						
S2C1-i	Road D8 - part 2	116	4	224.72	-55.0	6	3																	70	70	70	70	70	70	70	70	70	70	
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	51.81	-42.3	6	3										88	88	88	88	88	88	88	88	88	88	88						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	94.81	-47.5	6	3		82	82	82	82	82	82	82	82	82	82														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	116.05	-49.3	6	3										81	81	81	81	81	81	81	81	81	81	81						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	94.81	-47.5	3	3																			76	76	76	76	76	76	76	76
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	138.4	-50.8	0	3						74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	138.4	-50.8	0	3													73	73	73	73	73	73	73	73	73	73	73	73	73	73
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42001 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	50.09	-42.0	6	3																												
S2C1-i	Road D8 - part 2	116	4	224.72	-55.0	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	51.81	-42.3	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	94.81	-47.5	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	116.05	-49.3	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	94.81	-47.5	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	138.4	-50.8	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	138.4	-50.8	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42001 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42001 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								82	82	82	82	82	82	82	82	82	82	75	75	79	79	79	79	79	79	79	89	89	89	89	89	89	89	89	90	90	85	85	85	85	85	82	82	82	82	82	79	79	78	78	78

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42001 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42005 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	106.45	-48.5	6	3																					80	80	80	80	80	80	80
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	106.45	-48.5	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	109.53	-48.8	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	227.9	-55.1	5	3																					67	67	67	67	67	67	67
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	262.46	-56.4	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	192.27	-53.7	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42005 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	106.45	-48.5	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	106.45	-48.5	0	3													73	73	73	73	73	73	73	73	73	73	73	73	73	73
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	109.53	-48.8	0	3						74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	227.9	-55.1	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	262.46	-56.4	0	3			64	64	64	64	64	64	64	64	64	64													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	192.27	-53.7	0	3							67	67	67	67	67	67	67	67	67										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42005 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	106.45	-48.5	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	106.45	-48.5	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	109.53	-48.8	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	227.9	-55.1	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	262.46	-56.4	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	192.27	-53.7	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42005 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	48.81	-41.8	6	3																											
S2C1-i	Road D8 - part 2	116	4	220.68	-54.9	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	39.03	-39.8	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	117.61	-49.4	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	164.35	-52.3	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	117.61	-49.4	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	186.93	-53.4	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	186.93	-53.4	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42005 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	48.81	-41.8	6	3													83	83	83	83	83	83	83	83				
S2C1-i	Road D8 - part 2	116	4	220.68	-54.9	6	3																70	70	70	70	70	70	70	70		
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	39.03	-39.8	6	3										90	90	90	90	90	90	90	90	90	90	90	90				
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	117.61	-49.4	6	3	81	81	81	81	81	81	81	81	81															
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	164.35	-52.3	6	3										78	78	78	78	78	78	78	78	78	78	78	78				
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	117.61	-49.4	3	3															75	75	75	75	75	75	75	75	75	75	75
	Site formation for a new District Cooling System																														
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	186.93	-53.4	0	3						72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72				
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	186.93	-53.4	0	3													70	70	70	70	70	70	70	70	70	70	70	70
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																														
	sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42005 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	48.81	-41.8	6	3																												
S2C1-i	Road D8 - part 2	116	4	220.68	-54.9	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	39.03	-39.8	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	117.61	-49.4	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	164.35	-52.3	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	117.61	-49.4	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	186.93	-53.4	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	186.93	-53.4	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42005 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											80	80	80	80	80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42005 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								81	81	81	81	81	81	81	81	81	81	72	73	77	77	77	77	77	77	77	91	91	91	91	91	91	91	91	91	91	91	84	84	84	85	85	85	80	80	80	80	80	80	77	77	77	76	76	76

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42005 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42006 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	143.19	-51.1	6	3																					77	77	77	77	77	77	77	77	77
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	143.19	-51.1	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	137.46	-50.7	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	193.37	-53.7	5	3																					68	68	68	68	68	68	68	68	68
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	226.41	-55.1	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	166.85	-52.4	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42006 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4
	ADVANCED WORKS																														
	Advanced Works - Phase 1 - Contract AWC1																														
	Site formation for residential site 5-26																														
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																								
	Site development for residential site 5-26																														
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																								
	Advanced Works - Phase 2 - Contract AWC2																														
	Site formation for ESS 1																														
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																								
	Site formation for residential site 4-20, 5-24																														
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																								
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																								
	Site development for residential site 4-20, 5-24																														
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																								
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																								
	Advanced Works - Phase 3 - Contract AWC3																														
	Site formation for residential, G/IC, commercial and industrial development areas																														
AWC1-vf	Site formation for Site 4-22	119	4	143.19	-51.1	6	3																								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																								
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																								
	Site development for residential, G/IC, commercial and industrial development areas																														
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-36	118																													
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Site 4-22	118	1	143.19	-51.1	0	3													70	70	70	70	70	70	70	70	70	70	70	70
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																								
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																														
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	137.46	-50.7	0	3						72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																								
	Advance Works Stage - Contract AWC4																														
	Road P1 and associated works, and other District Distributors																														
AWC1-i	Road P1 - part 1	114	3	193.37	-53.7	5	3																								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																								
	Slip Roads (Connection between Road P1 and KSWH)																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	226.41	-55.1	0	3		65	65	65	65	65	65	65	65	65	65													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	166.85	-52.4	0	3						68	68	68	68	68	68	68	68	68										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																								
	STAGE 1																														
	Development Stage 1 - Contract S1C1																														
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																														
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use site																														
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																								
	Site development for Port Back-up and Storage Use site																														
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42006 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	143.19	-51.1	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	143.19	-51.1	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	137.46	-50.7	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	193.37	-53.7	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	226.41	-55.1	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	166.85	-52.4	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42006 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	18.85	-33.5	6	3																											
S2C1-i	Road D8 - part 2	116	4	268.36	-56.6	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	54.28	-42.7	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	79.39	-46.0	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	171.35	-52.7	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	79.39	-46.0	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	163.23	-52.2	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	163.23	-52.2	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42006 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	18.85	-33.5	6	3													91	91	91	91	91	91	91						
S2C1-i	Road D8 - part 2	116	4	268.36	-56.6	6	3																	68	68	68	68	68	68	68	68	68	68	
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	54.28	-42.7	6	3										87	87	87	87	87	87	87	87	87	87	87						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	79.39	-46.0	6	3	84	84	84	84	84	84	84	84	84																
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	171.35	-52.7	6	3										77	77	77	77	77	77	77	77	77	77	77						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	79.39	-46.0	3	3																			78	78	78

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42006 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	18.85	-33.5	6	3																												
S2C1-i	Road D8 - part 2	116	4	268.36	-56.6	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	54.28	-42.7	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	79.39	-46.0	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	171.35	-52.7	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	79.39	-46.0	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	163.23	-52.2	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	163.23	-52.2	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42006 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											78	78	78	78	78	78	78	78	78	78			

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42006 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								84	84	84	84	84	84	84	84	84	84	74	74	76	76	76	76	76	76	76	76	88	88	88	88	88	88	88	88	88	88	88	88	93	93	91	91	91	92	92	92	81	81	81	81	81	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42006 Planned Residential Development in Area 4-20

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42203 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42203 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42203 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42203 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	98.16	-47.8	6	3																											
S2C1-i	Road D8 - part 2	116	4	200.48	-54.0	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	117.97	-49.4	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	273.13	-56.7	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	139.54	-50.9	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	139.54	-50.9	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	282.14	-57.0	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	282.14	-57.0	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42203 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	98.16	-47.8	6	3													77	77	77	77	77	77	77						
S2C1-i	Road D8 - part 2	116	4	200.48	-54.0	6	3																	71	71	71	71	71	71	71	71	71
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	117.97	-49.4	6	3										81	81	81	81	81	81	81	81	81	81	81						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	273.13	-56.7	6	3		73	73	73	73	73	73	73	73	73	73														
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	139.54	-50.9	6	3										79	79	79	79	79	79	79	79	79	79	79						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	139.54	-50.9	3	3																			73	73	73	73	73	73	73	73
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	282.14	-57.0	0	3						68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	282.14	-57.0	0	3													67	67	67	67	67	67	67	67	67	67	67	67	67	67
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42203 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	98.16	-47.8	6	3																												
S2C1-i	Road D8 - part 2	116	4	200.48	-54.0	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	117.97	-49.4	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	273.13	-56.7	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	139.54	-50.9	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	139.54	-50.9	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	282.14	-57.0	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	282.14	-57.0	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42203 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42203 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								73	73	73	73	73	73	73	73	73	73	68	68	68	68	68	68	68	68	68	68	83	83	83	83	83	83	83	83	83	84	84	78	78	78	79	79	79	76	76	76	76	76	76	76	76	74	74	74

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42203 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42216 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	161.19	-52.1	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	278.93	-56.9	5	3																							65	65	65	65	65	65	65	65	65	65			
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	245.2	-55.8	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42216 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	161.19	-52.1	0	3						71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	278.93	-56.9	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	245.2	-55.8	0	3						65	65	65	65	65	65	65	65	65												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42216 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	161.19	-52.1	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	278.93	-56.9	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	245.2	-55.8	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42216 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	158.36	-52.0	6	3																											
S2C1-i	Road D8 - part 2	116	4	181.97	-53.2	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	60.16	-43.6	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	215.38	-54.6	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	194.59	-53.8	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	194.59	-53.8	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42216 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	158.36	-52.0	6	3													73	73	73	73	73	73	73						
S2C1-i	Road D8 - part 2	116	4	181.97	-53.2	6	3																	71	71	71	71	71	71	71	71	71	71
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	60.16	-43.6	6	3										86	86	86	86	86	86	86	86	86	86						
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	215.38	-54.6	6	3		75	75	75	75	75	75	75	75																
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	194.59	-53.8	6	3										76	76	76	76	76	76	76	76	76	76						
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	194.59	-53.8	3	3															70	70	70	70	70	70	70	70	70	70	70	70
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42216 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	158.36	-52.0	6	3																												
S2C1-i	Road D8 - part 2	116	4	181.97	-53.2	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	60.16	-43.6	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	215.38	-54.6	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	194.59	-53.8	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	194.59	-53.8	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42216 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											65	65	65	65	65	65	65

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42216 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								75	75	75	75	75	75	75	75	75	75	75	75	65	72	72	72	72	72	72	72	72	87	87	87
									87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	75	75	75	76	76	76	76	76	76
									76	76	76	76	74	74	74	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42216 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42251 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	134.04	-50.5	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	255.3	-56.1	5	3																					66	66	66	66	66	66	66	66	66
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	291.72	-57.3	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	225.12	-55.0	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42251 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	134.04	-50.5	0	3						73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	255.3	-56.1	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	291.72	-57.3	0	3			63	63	63	63	63	63	63	63	63	63													
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	225.12	-55.0	0	3						65	65	65	65	65	65	65	65	65	65	65	65								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42251 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	134.04	-50.5	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	255.3	-56.1	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	291.72	-57.3	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	225.12	-55.0	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42251 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	121.14	-49.6	6	3																											
S2C1-i	Road D8 - part 2	116	4	193.45	-53.7	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	20.46	-34.2	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	182.73	-53.2	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	174.76	-52.8	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	174.76	-52.8	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	263.77	-56.4	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	263.77	-56.4	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42251 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	121.14	-49.6	6	3													75	75	75	75	75	75	75					
S2C1-i	Road D8 - part 2	116	4	193.45	-53.7	6	3																71	71	71	71	71	71	71	71	
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	20.46	-34.2	6	3										96	96	96	96	96	96	96	96	96	96	96	96				
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	182.73	-53.2	6	3		77	77	77	77	77	77	77	77															
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	174.76	-52.8	6	3										77	77	77	77	77	77	77	77	77	77	77	77				
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	174.76	-52.8	3	3															71	71	71	71	71	71	71	71	71	71	71	71
	Site formation for a new District Cooling System																														
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	263.77	-56.4	0	3						69	69	69	69	69	69	69	69	69	69	69	69								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	263.77	-56.4	0	3													67	67	67	67	67	67	67	67	67	67	67	67	67	67
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																														
	sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42251 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	121.14	-49.6	6	3																												
S2C1-i	Road D8 - part 2	116	4	193.45	-53.7	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	20.46	-34.2	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	182.73	-53.2	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	174.76	-52.8	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	174.76	-52.8	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	263.77	-56.4	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	263.77	-56.4	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42251 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											66	66	66	66	66	66	66

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42251 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								77	77	77	77	77	77	77	77	77	77	70	70	70	75	75	75	75	75	75	75	75	96	96	96	96	96	96	96	96	96	96	96	96	96	78	78	78	79	79	79	77	77	77	77	77	77	75	75	75	73	73	73

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42251 Planned Residential Development in Area 4-22

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42806 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42806 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42806 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42806 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	91.45	-47.2	6	3																											
S2C1-i	Road D8 - part 3	116	4	33.07	-38.4	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	135.06	-50.6	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	81.45	-46.2	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	135.06	-50.6	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42806 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	91.45	-47.2	6	3																		77	77	77	77	77	77	77	77
S2C1-i	Road D8 - part 3	116	4	33.07	-38.4	6	3																						86	86	86	86
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	135.06	-50.6	6	3										79	79	79	79	79	79	79	79	79	79	79	79					
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	81.45	-46.2	6	3						84	84	84	84	84	84	84	84	84	84	84	84								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	135.06	-50.6	3	3														73	73	73	73	73	73	73	73	73	73	73	73	73
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42806 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	91.45	-47.2	6	3																												
S2C1-i	Road D8 - part 3	116	4	33.07	-38.4	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	135.06	-50.6	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	81.45	-46.2	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	135.06	-50.6	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42806 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42806 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								84	84	84	84	84	84	84	84	84	84	84	84	79	79	79	79	79	79	79	79	79	79	79	79
																													73	73	73	73

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42806 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42853 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42853 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42853 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42853 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	267.52	-56.5	6	3																											
S2C1-i	Road D8 - part 3	116	4	60.77	-43.7	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	84.35	-46.5	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	180.32	-53.1	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42853 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	267.52	-56.5	6	3																		68	68	68	68	68	68	68	68
S2C1-i	Road D8 - part 3	116	4	60.77	-43.7	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	84.35	-46.5	6	3						83	83	83	83	83	83	83	83	83	83	83	83								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	180.32	-53.1	3	3														71	71	71	71	71	71	71	71	71	71	71	71	71
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42853 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	267.52	-56.5	6	3																												
S2C1-i	Road D8 - part 3	116	4	60.77	-43.7	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	84.35	-46.5	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	180.32	-53.1	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42853 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42853 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								83	83	83	83	83	83	83	83	83	83	83			71	71	71	73	73	73	73	73	73	73	81	81	81	81	81	81	81	81	81	71	71	71	71	71	71	71	71

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42853 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42859 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42859 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4
	ADVANCED WORKS																														
	Advanced Works - Phase 1 - Contract AWC1																														
	Site formation for residential site 5-26																														
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																								
	Site development for residential site 5-26																														
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																								
	Advanced Works - Phase 2 - Contract AWC2																														
	Site formation for ESS 1																														
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																								
	Site formation for residential site 4-20, 5-24																														
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																								
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																								
	Site development for residential site 4-20, 5-24																														
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																								
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																								
	Advanced Works - Phase 3 - Contract AWC3																														
	Site formation for residential, G/IC, commercial and industrial development areas																														
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																								
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																								
	Site development for residential, G/IC, commercial and industrial development areas																														
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-36	118																													
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																								
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																														
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																								
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																								
	Advance Works Stage - Contract AWC4																														
	Road P1 and associated works, and other District Distributors																														
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																								
	Slip Roads (Connection between Road P1 and KSWH)																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																								
	STAGE 1																														
	Development Stage 1 - Contract S1C1																														
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																														
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use site																														
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																								
	Site development for Port Back-up and Storage Use site																														
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42859 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42859 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	42.35	-40.5	6	3																											
S2C1-i	Road D8 - part 3	116	4	82.2	-46.3	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	298.56	-57.5	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	79.22	-46.0	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	88.74	-46.9	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	79.22	-46.0	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42859 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	42.35	-40.5	6	3																		84	84	84	84	84	84	84	84
S2C1-i	Road D8 - part 3	116	4	82.2	-46.3	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	298.56	-57.5	6	3										72	72	72	72	72	72	72	72								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	79.22	-46.0	6	3										84	84	84	84	84	84	84	84								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	88.74	-46.9	6	3						83	83	83	83	83	83	83	83	83	83	83	83								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	79.22	-46.0	3	3														78	78	78	78	78	78	78	78	78	78	78	78	78
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42859 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	42.35	-40.5	6	3																												
S2C1-i	Road D8 - part 3	116	4	82.2	-46.3	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	298.56	-57.5	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	79.22	-46.0	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	88.74	-46.9	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	79.22	-46.0	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42859 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42859 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)								83	83	83	83	83	83	83	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84
											78	78	78	85	85	85	85	85	85	85	85	81	81	81	81	81	81	81	81	78	78	78

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 42859 Planned Residential Development in Area 4-28

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51601 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51601 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4
	ADVANCED WORKS																														
	Advanced Works - Phase 1 - Contract AWC1																														
	Site formation for residential site 5-26																														
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																								
	Site development for residential site 5-26																														
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																								
	Advanced Works - Phase 2 - Contract AWC2																														
	Site formation for ESS 1																														
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																								
	Site formation for residential site 4-20, 5-24																														
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																								
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																								
	Site development for residential site 4-20, 5-24																														
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																								
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																								
	Advanced Works - Phase 3 - Contract AWC3																														
	Site formation for residential, G/IC, commercial and industrial development areas																														
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																								
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																								
	Site development for residential, G/IC, commercial and industrial development areas																														
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-36	118																													
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																								
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																														
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																								
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																								
	Advance Works Stage - Contract AWC4																														
	Road P1 and associated works, and other District Distributors																														
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																								
	Slip Roads (Connection between Road P1 and KSWH)																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																								
	STAGE 1																														
	Development Stage 1 - Contract S1C1																														
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																														
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use site																														
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																								
	Site development for Port Back-up and Storage Use site																														
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51601 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032 Q1	2032 Q2	2032 Q3	2032 Q4	2033 Q1	2033 Q2	2033 Q3	2033 Q4	2034 Q1	2034 Q2	2034 Q3	2034 Q4	2035 Q1	2035 Q2	2035 Q3	2035 Q4	2036 Q1	2036 Q2	2036 Q3	2036 Q4	2037 Q1	2037 Q2	2037 Q3	2037 Q4	2038 Q1	2038 Q2	2038 Q3	2038 Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51601 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	254.93	-56.1	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51601 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	254.93	-56.1	5	3																							66	66	66	66	66
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51601 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	254.93	-56.1	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51601 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	150.21	-51.5	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	157	-51.9	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	20.72	-34.3	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	124.1	-49.9	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	124.63	-49.9	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	108.48	-48.7	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	108.48	-48.7	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51601 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	150.21	-51.5	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	157	-51.9	8	3																							78	78	78	78	78
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	20.72	-34.3	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	124.1	-49.9	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	124.63	-49.9	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	108.48	-48.7	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	108.48	-48.7	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)																													66	78	78	78	78

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51601 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	150.21	-51.5	7	3					81	81	81	81	81	81	81	81	81	81														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	157	-51.9	8	3	78	78	78	78	78	78	78	78	78	78	78	78																
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	20.72	-34.3	6	3				89	89	89	89	89	89	89	89	89	89	89	89	89												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	124.1	-49.9	0	3	68	68	68	68	68	68	68	68	68	68	68	68																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	124.63	-49.9	5	3								72	72	72	72	72	72	72	72	72	72	72	72	72								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	108.48	-48.7	9	3										83	83	83	83	83	83	83	83	83	83	83	83	83	83	83				
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	108.48	-48.7	3	3												77	77	77	77	77	77	77	77	77	77	77	77	77				
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							78	79	79	79	79	79	89	89	89	89	89	89	89	89	90	90	90	90	90	90	90	90	90	81	81	81	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51602 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51602 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51602 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51602 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51602 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51602 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51602 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	231.32	-55.3	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	255	-56.1	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	112.62	-49.0	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	146.42	-51.3	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	168.47	-52.5	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	179.68	-53.1	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	179.68	-53.1	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51602 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	231.32	-55.3	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	255	-56.1	8	3																							74	74	74	74	74
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	112.62	-49.0	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	146.42	-51.3	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	168.47	-52.5	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	179.68	-53.1	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	179.68	-53.1	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)																													74	74	74	74	74

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51602 Planned Residential Development in Area 5-16

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	231.32	-55.3	7	3					77	77	77	77	77	77	77	77	77	77														
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	255	-56.1	8	3	74	74	74	74	74	74	74	74	74	74	74	74																
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	112.62	-49.0	6	3				74	74	74	74	74	74	74	74	74	74	74	74	74											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	146.42	-51.3	0	3	66	66	66	66	66	66	66	66	66	66	66	66																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	168.47	-52.5	5	3									69	69	69	69	69	69	69	69	69	69	69	69								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	179.68	-53.1	9	3											78	78	78	78	78	78	78	78	78	78	78	78	78	78	78			
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	179.68	-53.1	3	3													72	72	72	72	72	72	72	72	72	72	72	72				
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							74	75	75	75	75	75	77	77	77	77	77	74	74	79	79	79	79	79	79	79	79	78	78	78	79	79	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51702 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51702 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4
	ADVANCED WORKS																														
	Advanced Works - Phase 1 - Contract AWC1																														
	Site formation for residential site 5-26																														
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																								
	Site development for residential site 5-26																														
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																								
	Advanced Works - Phase 2 - Contract AWC2																														
	Site formation for ESS 1																														
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																								
	Site formation for residential site 4-20, 5-24																														
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																								
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																								
	Site development for residential site 4-20, 5-24																														
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																								
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																								
	Advanced Works - Phase 3 - Contract AWC3																														
	Site formation for residential, G/IC, commercial and industrial development areas																														
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																								
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																								
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																								
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																								
	Site development for residential, G/IC, commercial and industrial development areas																														
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-36	118																													
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																								
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																								
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																								
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																														
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																								
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																								
	Advance Works Stage - Contract AWC4																														
	Road P1 and associated works, and other District Distributors																														
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																								
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																								
	Slip Roads (Connection between Road P1 and KSWH)																														
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																								
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																								
	STAGE 1																														
	Development Stage 1 - Contract S1C1																														
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																														
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																								
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use site																														
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																								
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																								
	Site development for Port Back-up and Storage Use site																														
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																								
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51702 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51702 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51702 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51702 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51702 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	266.61	-56.5	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	258	-56.2	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	254.32	-56.1	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	66.35	-44.4	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	16.95	-32.6	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	40.17	-40.1	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	131.29	-50.3	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	131.29	-50.3	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51702 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	266.61	-56.5	8	3																						76	76	76	76
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	258	-56.2	8	3																								74	74
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	254.32	-56.1	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	66.35	-44.4	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	16.95	-32.6	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	40.17	-40.1	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	131.29	-50.3	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	131.29	-50.3	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)																												76	76	76	76

ID	Construction Activity	2031															
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22																
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18																
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33																
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17																
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9																
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	76	76	76	76	76	76	76	76	76	76	76	76				
	Site development for residential, commercial and G/IC sites																
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	74	74	74	74	74											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)																
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)																
	Development Stage 3 - Contract S3C2																
	District Distributor Road D3 and D5																
S3C2-i	Road D3																
S3C2-i	Road D5																
S3C2-i	Road D3 - Underpass																
	Slip roads connecting KSWH and Road D3																
S3C2-ii	Slip roads - part 1																
S3C2-ii	Slip roads - part 2																
	A new TSE reservoirs and associated pumping stations and rising mains																
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains																
	Site formation for Logistics and Enterprise & Technology Park sites																
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23																
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31																
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42																
	Site development for Logistics and Enterprise & Technology Park sites																
S3C2-ivd	Sites 3-24, 3-31 and 3-34																
S3C2-ivd	Sites 3-36 and 3-37																
S3C2-ivd	Sites 3-22 and 3-23																
	Development Stage 3 - Contract S3C3																
	Local Roads serving district open space																
S3C3-i	Local roads serving Site 1-27																
S3C3-i	Local roads serving Site 1-29																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																
S3C3-ii	Tim Sam Channel																
S3C3-ii	Hung Shui Kiu Channel																
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43																
	Site formation for G/IC sites																
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)																
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30																
	Site development for G/IC sites																
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)																
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30																
	STAGE 4																
	Development Stage 4 - Contract S4C1																
	Removal of existing Tin Ying Road																
S4C1-i	Tin Ying Road - part 1																
S4C1-i	Tin Ying Road - part 2																
S4C1-i	Tin Ying Road - part 3																
	Drainage Channel Re-vitalization																
S4C1-ii	Channel Re-vitalization - part 1																
S4C1-ii	Channel Re-vitalization - part 2																
	Stormwater Storage Tank near Tin Shui Wai Channel																
S4C1-iii	Site 2-13																
	Local roads serving development sites																
S4C1-iv	Local roads serving area near Lau Fau Shan																
S4C1-iv	Local roads serving area near Tin Shui Wai Channel																
	Site formation for a new District Cooling System																
S4C1-vf	Site formation for a new District Cooling System at site 1-24																
	Site development for a new District Cooling System																
S4C1-vd	Site development for a new District Cooling System at site 1-24																
	Site formation for residential, G/IC, commercial and Open Space Areas																
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35																
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17																
S4C1-vif	Sites 2-11 and 2-12																
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16																
	Site development for residential, G/IC, commercial and Open Space Areas																
S4C1-vid	Sites 2-9 and 2-15																
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16																
S4C1-vid	Sites 1-2																
S4C1-vid	Sites 1-10, 1-11 and 1-14																
	Predicted Noise Level , dB(A)	76	76	76	76	76	78	78	78	78	78						

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51702 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	266.61	-56.5	8	3	76	76																										
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	258	-56.2	8	3	74	74	74	74	74	74	74	74	74	74	74	74																
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	254.32	-56.1	8	3													74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	66.35	-44.4	6	3				79	79	79	79	79	79	79	79	79	79	79	79	79	79	79										
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	16.95	-32.6	0	3	85	85	85	85	85	85	85	85	85	85	85	85																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	40.17	-40.1	5	3									82	82	82	82	82	82	82	82	82	82	82	82								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	131.29	-50.3	9	3													81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	131.29	-50.3	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							78	86	85	85	85	85	86	86	86	86	86	86	79	79	79	79	79	79	79	84	84	84	82	82	82	84	84	84	85	85	85	83	83	83	83	83	83	83	83	83	83	83	74	74	74

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51703 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51703 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51703 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51703 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51703 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51703 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51703 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	230.88	-55.2	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	181.28	-53.1	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	193.41	-53.7	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	293.82	-57.3	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	293.82	-57.3	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51703 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	230.88	-55.2	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	181.28	-53.1	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	193.41	-53.7	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	293.82	-57.3	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	293.82	-57.3	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 51703 Planned Residential Development in Area 5-17

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	230.88	-55.2	6	3			68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68								
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	181.28	-53.1	0	3	64	64	64	64	64	64	64	64	64	64	64	64																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	193.41	-53.7	5	3									68	68	68	68	68	68	68	68	68	68	68	68								
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	293.82	-57.3	9	3										74	74	74	74	74	74	74	74	74	74	74	74	74	74	74				
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	293.82	-57.3	3	3												68	68	68	68	68	68	68	68	68	68	68	68	68				
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							64	64	64	64	64	64	70	70	70	70	70	68	68	68	68	68	68	68	68	71	71	71	68	68	68	75	75	75	76	76	76	75	75	75	75	75	75	75	75	75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52151 Planned School in Area 5-21

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52151 Planned School in Area 5-21

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52151 Planned School in Area 5-21

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																
	Advanced Works - Phase 1 - Contract AWC1																																
	Site formation for residential site 5-26																																
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																										
	Site development for residential site 5-26																																
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																										
	Advanced Works - Phase 2 - Contract AWC2																																
	Site formation for ESS 1																																
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																										
	Site formation for residential site 4-20, 5-24																																
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																										
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																										
	Site development for residential site 4-20, 5-24																																
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																										
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																										
	Advanced Works - Phase 3 - Contract AWC3																																
	Site formation for residential, G/IC, commercial and industrial development areas																																
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																										
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																										
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																										
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																										
	Site development for residential, G/IC, commercial and industrial development areas																																
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-36	118																															
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																										
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																										
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																										
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																										
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																										
	Advance Works Stage - Contract AWC4																																
	Road P1 and associated works, and other District Distributors																																
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																										
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																										
	Slip Roads (Connection between Road P1 and KSWH)																																
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																										
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																										
	STAGE 1																																
	Development Stage 1 - Contract S1C1																																
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																										
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																										
	Site formation for Port Back-up and Storage Use site																																
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																										
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																										
	Site development for Port Back-up and Storage Use site																																
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																										
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																										

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52151 Planned School in Area 5-21

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52151 Planned School in Area 5-21

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52151 Planned School in Area 5-21

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52151 Planned School in Area 5-21

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	136.01	-50.7	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	136.01	-50.7	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	38.57	-39.7	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	225.82	-55.1	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52151 Planned School in Area 5-21

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	136.01	-50.7	8	3																						82	82	82	82
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	136.01	-50.7	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	38.57	-39.7	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	225.82	-55.1	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)																												82	82	82	82

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52151 Planned School in Area 5-21

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	136.01	-50.7	8	3	82	82																										
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	136.01	-50.7	8	3											79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	38.57	-39.7	6	3			84	84	84	84	84	84	84	84	84	84	84	84	84	84												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	225.82	-55.1	0	3	62	62	62	62	62	62	62	62	62	62	62	62																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							82	82	62	62	62	62	62	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52401 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52401 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52401 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52401 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52401 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52401 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52401 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	240.23	-55.6	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	30.87	-37.8	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	101.15	-48.1	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	265.4	-56.5	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	108.08	-48.7	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	267.2	-56.5	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52401 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	240.23	-55.6	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	30.87	-37.8	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	101.15	-48.1	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	265.4	-56.5	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	108.08	-48.7	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	267.2	-56.5	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52401 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	240.23	-55.6	0	3	62	62	62	62	62	62	62	62	62	62	62	62																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	30.87	-37.8	5	3																	84	84	84	84	84	84	84	84	84	84	84	84
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	101.15	-48.1	9	3				83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83						
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	265.4	-56.5	9	3													75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	108.08	-48.7	3	3						77	77	77	77	77	77	77	77	77	77	77	77												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	267.2	-56.5	3	3																	69	69	69	69	69	69	69	69	69	69	69	69
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							62	62	62	62	62	62	62	62	62	83	83	83	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84
								84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	79	79	79	76	76	76	85	85	85	85	85	85
								85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52407 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	43.96	-40.8	5	3																					86	86	86	86	86	86	86	86
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	224.71	-55.0	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	184.37	-53.3	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	43.96	-40.8	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	224.71	-55.0	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	188.4	-53.5	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	182.7	-53.2	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52407 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026								2027				2028				2029				2030				2031			
												Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	43.96	-40.8	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	224.71	-55.0	5	3	72	72	72	72	72																							
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	184.37	-53.3	6	3						75	75	75	75	75	75	75	75	75	75													
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	43.96	-40.8	3	3							84	84	84	84	84	84	84	84	84	84	84	84	84	84								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	224.71	-55.0	0	3															66	66	66	66	66	66	66	66	66	66	66	66			
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	188.4	-53.5	3	3															71	71	71	71	71	71	71	71	71	71	71	71			
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	182.7	-53.2	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52407 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	43.96	-40.8	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	224.71	-55.0	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	184.37	-53.3	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	43.96	-40.8	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	224.71	-55.0	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	188.4	-53.5	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	182.7	-53.2	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52407 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52407 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026 Q4	2026 Q1	2026 Q2	2026 Q3	2026 Q4	2027 Q1	2027 Q2	2027 Q3	2027 Q4	2028 Q1	2028 Q2	2028 Q3	2028 Q4	2029 Q1	2029 Q2	2029 Q3	2029 Q4	2030 Q1	2030 Q2	2030 Q3	2030 Q4	2031 Q1	2031 Q2	2031 Q3	2031 Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																								
	STAGE 2																														
	Development Stage 2 - Contract S2C1																														
	District Distributor Road D6, D7 and D8, and local roads																														
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																								
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																								
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																								
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																														
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																								
	Site formation and development for Fresh Water Service Reservoir																														
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																								
	Site formation for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																								
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																								
	Site development for residential & commercial developments, G/IC and Open Space areas																														
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																								
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																								
	Site formation for a new District Cooling System																														
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																								
	Site development for a new District Cooling System																														
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																								
	Development Stage 2 - Contract S2C2																														
	District Distributor Road D1, a section of Road D3 and local roads																														
S2C2-i	Road D3	116	2	n/a	--	3	3																								
S2C2-i	Road D1	116	2	n/a	--	3	3																								
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																								
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																								
	Site formation for a new HSK STW																														
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																								
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																								
	Site development for a new HSK STW																														
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																								
	A new Sewage Pumping Station SPS4 and associated rising mains																														
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																								
	Associated rising mains																														
	A new TSE reservoirs and associated pumping stations and rising mains																														
S2C2-iv	site 5-40	131	1	n/a	--	0	3																								
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																														
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																								
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																								
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																														
S2C2-vd	site 3-4	121	1	n/a	--	0	3																								
S2C2-vd	site 3-9	121	1	n/a	--	0	3																								
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																								
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																								
	sites 3-18 and 3-5																														
S2C2-vd	site 3-18	121	1	n/a	--	0	3																								
S2C2-vd	site 3-5	121	1	n/a	--	0	3																								
S2C2-vd	site 3-1	121	2	n/a	--	3	3																								
	STAGE 3																														
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																														
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																								
S3C1-i	Road D4	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																								
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																								
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																								
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																								
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																								
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																								
	Site formation for residential, commercial and G/IC sites																														

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52407 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52407 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	251.57	-56.0	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	77.61	-45.8	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	156.51	-51.9	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	258.04	-56.2	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	143.7	-51.1	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	258.08	-56.2	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											86	86	86	86	86	86	86	86	86	86	72	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52407 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	251.57	-56.0	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	77.61	-45.8	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	156.51	-51.9	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	258.04	-56.2	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	143.7	-51.1	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	258.08	-56.2	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)							72	72	72	72	72	75	75	84	84	84	84	84	84	84	84	84	84	84	84	84	72	72	72	72

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52407 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	251.57	-56.0	0	3	61	61	61	61	61	61	61	61	61	61	61																	
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	77.61	-45.8	5	3																	76	76	76	76	76	76	76	76	76	76	76	76
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	156.51	-51.9	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	258.04	-56.2	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	143.7	-51.1	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	258.08	-56.2	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							61	61	61	61	61	61	61	61	79	79	79	79	79	79	81	81	81	81	81	81	81	81	81	81	81	78	78	76	76	76	79	79	79	79	79	79	79	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52408 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	43.27	-40.7	5	3																					87	87	87	87	87	87	87	87	87
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	171.29	-52.7	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	72.01	-45.1	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	237.59	-55.5	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	43.27	-40.7	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	171.29	-52.7	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	73.83	-45.3	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	85.08	-46.6	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52408 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026								2027				2028				2029				2030				2031			
								Q4		Q1	Q2	Q3	Q4																						
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	43.27	-40.7	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	171.29	-52.7	5	3	75	75	75	75	75																							
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	72.01	-45.1	6	3					83	83	83	83	83	83	83	83	83	83														
AWC1-vf	Site formation for Site 5-32	119	1	237.59	-55.5	0	3	67	67	67	67	67																							
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	43.27	-40.7	3	3						84	84	84	84	84	84	84	84	84	84	84	84	84										
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	171.29	-52.7	0	3													69	69	69	69	69	69	69	69	69	69	69	69				
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	73.83	-45.3	3	3													79	79	79	79	79	79	79	79	79	79	79	79				
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	85.08	-46.6	0	3																					75	75	75	75	75	75	75	75	75	75
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52408 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	43.27	-40.7	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	171.29	-52.7	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	72.01	-45.1	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	237.59	-55.5	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	43.27	-40.7	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	171.29	-52.7	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	73.83	-45.3	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	85.08	-46.6	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52408 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52408 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52408 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52408 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	93.13	-47.4	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	212.59	-54.5	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	225.76	-55.1	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											87	87	87	87	87	87	87	87	87	87	75	75	75	75	75	75

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52408 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	93.13	-47.4	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	212.59	-54.5	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	225.76	-55.1	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)							75	75	75	75	75	83	83	87	87	87	87	87	87	87	87	87	84	84	84	84	84	84	80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52408 Planned Residential Development in Area 5-24

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	93.13	-47.4	5	3													74	74	74	74	74	74	74	74	74	74	74	74				
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	212.59	-54.5	9	3				77	77	77	77	77	77	77	77	77	77	77	77	77	77	77										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	225.76	-55.1	3	3						70	70	70	70	70	70	70	70	70	70	70	70	70										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)										77	77	77	77	77	78	78	78	78	78	78	78	78	78	78	70	70	70			74	74	74	74	74	74	74	74	74	74

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52602 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	141.63	-51.0	5	3																					76	76	76	76	76	76	76	76	76
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	98.41	-47.8	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	59.57	-43.5	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	248.82	-55.9	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	141.63	-51.0	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	98.41	-47.8	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	54.68	-42.7	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	123.66	-49.8	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52602 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026								2027				2028				2029				2030				2031			
										Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4	
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	141.63	-51.0	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	98.41	-47.8	5	3	79	79	79	79	79																							
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	59.57	-43.5	6	3					85	85	85	85	85	85	85	85	85	85														
AWC1-vf	Site formation for Site 5-32	119	1	248.82	-55.9	0	3	67	67	67	67	67																							
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	141.63	-51.0	3	3							73	73	73	73	73	73	73	73	73	73	73	73	73	73								
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	98.41	-47.8	0	3													74	74	74	74	74	74	74	74	74	74	74	74	74	74		
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	54.68	-42.7	3	3													82	82	82	82	82	82	82	82	82	82	82	82	82	82		
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	123.66	-49.8	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52602 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	141.63	-51.0	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	98.41	-47.8	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	59.57	-43.5	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	248.82	-55.9	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	141.63	-51.0	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	98.41	-47.8	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	54.68	-42.7	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	123.66	-49.8	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52602 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52602 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52602 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52602 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	50.51	-42.0	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	296.73	-57.4	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	300.42	-57.5	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											76	76	76	76	76	76	76	76	76	76	80	80	80	80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52602 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	50.51	-42.0	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	296.73	-57.4	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	300.42	-57.5	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)							80	80	80	80	80	85	85	85	85	85	85	85	85	85	85	85	85	73	73	73	73	73	82	82	82
								82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	72	72	72	72	72	72	72	72
								72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72								

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52602 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	50.51	-42.0	5	3													80	80	80	80	80	80	80	80	80	80	80	80				
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	296.73	-57.4	9	3				74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74								
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	300.42	-57.5	3	3						68	68	68	68	68	68	68	68	68	68	68	68	68	68	68								
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)										74	74	74	74	74	75	75	75	75	75	75	75	75	75	75	75	68	68	68			80	80	80	80	80	80	80	80	80	80	80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52604 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	130.88	-50.3	5	3																					77	77	77	77	77	77	77	77	77
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	107.37	-48.6	5	3																									79	79	79	79	79
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	49.4	-41.9	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	185.69	-53.4	0	3																									69	69	69	69	69
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	130.88	-50.3	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	107.37	-48.6	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	40.61	-40.2	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	112.89	-49.0	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52604 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026								2027				2028				2029				2030				2031			
												Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	130.88	-50.3	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	107.37	-48.6	5	3	79	79	79	79	79																							
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	49.4	-41.9	6	3						87	87	87	87	87	87	87	87	87	87														
AWC1-vf	Site formation for Site 5-32	119	1	185.69	-53.4	0	3	69	69	69	69	69																							
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	130.88	-50.3	3	3								74	74	74	74	74	74	74	74	74	74	74	74	74									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	107.37	-48.6	0	3																73	73	73	73	73	73	73	73	73	73	73			
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	40.61	-40.2	3	3																84	84	84	84	84	84	84	84	84	84	84			
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	112.89	-49.0	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52604 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	130.88	-50.3	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	107.37	-48.6	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	49.4	-41.9	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	185.69	-53.4	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	130.88	-50.3	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	107.37	-48.6	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	40.61	-40.2	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	112.89	-49.0	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52604 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52604 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52604 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52604 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	57.43	-43.2	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	293.98	-57.3	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	295.55	-57.4	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																											77	77	77	77	77	77	77
								77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52604 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																									
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																									
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																									
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																									
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																									
	Site development for residential, commercial and G/IC sites																															
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																									
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																									
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C2																															
	District Distributor Road D3 and D5																															
S3C2-i	Road D3	114	4	n/a	--	6	3																									
S3C2-i	Road D5	114	4	n/a	--	6	3																									
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																									
	Slip roads connecting KSWH and Road D3																															
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																									
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																									
	A new TSE reservoirs and associated pumping stations and rising mains																															
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																									
	Site formation for Logistics and Enterprise & Technology Park sites																															
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																									
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																									
	Site development for Logistics and Enterprise & Technology Park sites																															
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																									
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																									
	Development Stage 3 - Contract S3C3																															
	Local Roads serving district open space																															
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																									
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																									
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																															
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																									
S3C3-ii	Hung Shui Kiu Channel	114	3	57.43	-43.2	5	3																									
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																															
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																									
	Site formation for G/IC sites																															
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	293.98	-57.3	9	3																									
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																									
	Site development for G/IC sites																															
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	295.55	-57.4	3	3																									
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																									
	STAGE 4																															
	Development Stage 4 - Contract S4C1																															
	Removal of existing Tin Ying Road																															
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																									
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																									
	Drainage Channel Re-vitalization																															
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																									
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																									
	Stormwater Storage Tank near Tin Shui Wai Channel																															
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																									
	Local roads serving development sites																															
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																									
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																									
	Site formation for a new District Cooling System																															
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																									
	Site formation for residential, G/IC, commercial and Open Space Areas																															
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																									
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																									
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																									
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																									
	Site development for residential, G/IC, commercial and Open Space Areas																															
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																									
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																									
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																									
	Predicted Noise Level , dB(A)							79	79	79	79	79	87	87	87	87	87	87	87	87	87	87	87	87	74	74	74	74	74	74	85	85	85

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 52604 Planned Residential Development in Area 5-26

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	n/a	--	8	3																												
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	57.43	-43.2	5	3													79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	293.98	-57.3	9	3				74	74	74	74	74	74	74	74	74	74	74	74	74	74	74										
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	295.55	-57.4	3	3						68	68	68	68	68	68	68	68	68	68	68	68	68										
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)										74	74	74	74	74	75	75	75	75	75	75	75	75	75	75	75	68	68	68			79	79	79	79	79	79	79	79	79	79

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 53208 Planned Residential Development in Area 5-32

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
	ADVANCED WORKS																																	
	Advanced Works - Phase 1 - Contract AWC1																																	
	Site formation for residential site 5-26																																	
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																											
	Site development for residential site 5-26																																	
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																											
	Advanced Works - Phase 2 - Contract AWC2																																	
	Site formation for ESS 1																																	
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																											
	Site formation for residential site 4-20, 5-24																																	
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																											
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																											
	Site development for residential site 4-20, 5-24																																	
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																											
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																											
	Advanced Works - Phase 3 - Contract AWC3																																	
	Site formation for residential, G/IC, commercial and industrial development areas																																	
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																											
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																											
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																											
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																											
	Site development for residential, G/IC, commercial and industrial development areas																																	
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-36	118																																
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																											
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																											
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																											
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																	
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																											
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																											
	Advance Works Stage - Contract AWC4																																	
	Road P1 and associated works, and other District Distributors																																	
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																											
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																											
	Slip Roads (Connection between Road P1 and KSWH)																																	
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																											
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																											
	STAGE 1																																	
	Development Stage 1 - Contract S1C1																																	
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																	
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																											
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use site																																	
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																											
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																											
	Site development for Port Back-up and Storage Use site																																	
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																											
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																											

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 53208 Planned Residential Development in Area 5-32

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																															
	Advanced Works - Phase 1 - Contract AWC1																															
	Site formation for residential site 5-26																															
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																									
	Site development for residential site 5-26																															
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																									
	Advanced Works - Phase 2 - Contract AWC2																															
	Site formation for ESS 1																															
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																									
	Site formation for residential site 4-20, 5-24																															
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																									
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																									
	Site development for residential site 4-20, 5-24																															
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																									
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																									
	Advanced Works - Phase 3 - Contract AWC3																															
	Site formation for residential, G/IC, commercial and industrial development areas																															
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																									
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																									
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																									
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																									
	Site development for residential, G/IC, commercial and industrial development areas																															
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-36	118																														
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																									
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																									
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																									
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																															
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																									
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																									
	Advance Works Stage - Contract AWC4																															
	Road P1 and associated works, and other District Distributors																															
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																									
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																									
	Slip Roads (Connection between Road P1 and KSWH)																															
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																									
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																									
	STAGE 1																															
	Development Stage 1 - Contract S1C1																															
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																															
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																									
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use site																															
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																									
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																									
	Site development for Port Back-up and Storage Use site																															
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																									
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																									

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 53208 Planned Residential Development in Area 5-32

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	ADVANCED WORKS																																		
	Advanced Works - Phase 1 - Contract AWC1																																		
	Site formation for residential site 5-26																																		
AWC1-iiif	Site formation for site 5-26	118	1	n/a	--	0	3																												
	Site development for residential site 5-26																																		
AWC1-iiid	Site development for site 5-26	121	1	n/a	--	0	3																												
	Advanced Works - Phase 2 - Contract AWC2																																		
	Site formation for ESS 1																																		
AWC1-ivf	Site formation for site 5-19	118	1	n/a	--	0	3																												
	Site formation for residential site 4-20, 5-24																																		
AWC1-ivf	Site formation for site 5-24 (Portion 1)	118	1	n/a	--	0	3																												
AWC1-ivf	Site formation for site 4-20	118	1	n/a	--	0	3																												
	Site development for residential site 4-20, 5-24																																		
AWC1-ivd	Site development for site 5-24 (Portion 1)	121	1	n/a	--	0	3																												
AWC1-ivd	Site development for site 4-20	121	1	n/a	--	0	3																												
	Advanced Works - Phase 3 - Contract AWC3																																		
	Site formation for residential, G/IC, commercial and industrial development areas																																		
AWC1-vf	Site formation for Site 4-22	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-16	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 4-28, 5-21 and 5-24 (Portion 2)	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-36, 5-37 and 5-38	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for 5-17, 5-18a and 5-18b	119	3	n/a	--	5	3																												
AWC1-vf	Site formation for Site 5-27, 5-28, 5-29, 5-30	119	4	n/a	--	6	3																												
AWC1-vf	Site formation for Site 5-32	119	1	n/a	--	0	3																												
AWC1-vf	Site formation for Sites 3-43, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50	119	6	n/a	--	8	3																												
	Site development for residential, G/IC, commercial and industrial development areas																																		
AWC1-vd	Site development for Site 5-16	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-36	118																																	
AWC1-vd	Site development for Site 4-28 and 5-24 (portion 2)	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Sites 5-37 and 5-38	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-27 and 5-28	118	2	n/a	--	3	3																												
AWC1-vd	Site development for Site 4-22	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Sites 5-29 and 5-30	118	1	n/a	--	0	3																												
AWC1-vd	Site development for Site 5-21	118	2	n/a	--	3	3																												
	Two new sewage pumping stations SPS1 and SPS2 and associated rising mains																																		
AWC1-vi	SPS1 at site 4-35 and associated rising mains	120	1	n/a	--	0	3																												
AWC1-vi	SPS2 at site 3-48 and associated rising mains	120	1	n/a	--	0	3																												
	Advance Works Stage - Contract AWC4																																		
	Road P1 and associated works, and other District Distributors																																		
AWC1-i	Road P1 - part 1	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 2	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 3	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 4	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 5	114	3	n/a	--	5	3																												
AWC1-i	Road P1 - part 6	114	3	n/a	--	5	3																												
	Slip Roads (Connection between Road P1 and KSWH)																																		
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 1	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 2	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 3	117	1	n/a	--	0	3																												
AWC1-ii	Slip Roads (Connection between Road P1 and KSWH) - part 4	117	1	n/a	--	0	3																												
	STAGE 1																																		
	Development Stage 1 - Contract S1C1																																		
	A section of Road D1 connecting Port Back-up Use sites to Road P1 and KSWH																																		
S1C1-i	Road D1 - part 1	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 2	116	1	n/a	--	0	3																												
S1C1-i	Road D1 - part 3	116	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use site																																		
S1C1-iif	Site formation for site 2-18	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 2-19	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-6	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-7	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 1	118	1	n/a	--	0	3																												
S1C1-iif	Site formation for site 3-8 - part 2	118	1	n/a	--	0	3																												
	Site development for Port Back-up and Storage Use site																																		
S1C1-iid	Site development for site 2-18	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 2-19	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-6	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-7	121	1	n/a	--	0	3																												
S1C1-iid	Site development for site 3-8 - part 1	121	1	n/a	--	0	3																												

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 53208 Planned Residential Development in Area 5-32

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																											
	STAGE 2																																	
	Development Stage 2 - Contract S2C1																																	
	District Distributor Road D6, D7 and D8, and local roads																																	
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																											
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																											
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																											
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																	
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																											
	Site formation and development for Fresh Water Service Reservoir																																	
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																											
	Site formation for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																											
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																											
	Site development for residential & commercial developments, G/IC and Open Space areas																																	
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																											
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																											
	Site formation for a new District Cooling System																																	
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																											
	Development Stage 2 - Contract S2C2																																	
	District Distributor Road D1, a section of Road D3 and local roads																																	
S2C2-i	Road D3	116	2	n/a	--	3	3																											
S2C2-i	Road D1	116	2	n/a	--	3	3																											
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																											
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																											
	Site formation for a new HSK STW																																	
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																											
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																											
	Site development for a new HSK STW																																	
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																											
	A new Sewage Pumping Station SPS4 and associated rising mains																																	
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																											
	Associated rising mains																																	
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S2C2-iv	site 5-40	131	1	n/a	--	0	3																											
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																											
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																											
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																	
	sites 3-9 and 3-4																																	
S2C2-vd	site 3-4	121	1	n/a	--	0	3																											
S2C2-vd	site 3-9	121	1	n/a	--	0	3																											
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																											
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																											
	sites 3-18 and 3-5																																	
S2C2-vd	site 3-18	121	1	n/a	--	0	3																											
S2C2-vd	site 3-5	121	1	n/a	--	0	3																											
S2C2-vd	site 3-1	121	2	n/a	--	3	3																											
	STAGE 3																																	
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																	
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																											
S3C1-i	Road D4	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																											
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																											
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																											
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																											
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																											
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																											
	Site formation for residential, commercial and G/IC sites																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 53208 Planned Residential Development in Area 5-32

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																									
	STAGE 2																															
	Development Stage 2 - Contract S2C1																															
	District Distributor Road D6, D7 and D8, and local roads																															
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																									
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																									
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																									
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																															
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																									
	Site formation and development for Fresh Water Service Reservoir																															
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																									
	Site formation for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																									
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																									
	Site development for residential & commercial developments, G/IC and Open Space areas																															
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																									
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																									
	Site formation for a new District Cooling System																															
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																									
	Site development for a new District Cooling System																															
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																									
	Development Stage 2 - Contract S2C2																															
	District Distributor Road D1, a section of Road D3 and local roads																															
S2C2-i	Road D3	116	2	n/a	--	3	3																									
S2C2-i	Road D1	116	2	n/a	--	3	3																									
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																									
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																									
	Site formation for a new HSK STW																															
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																									
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																									
	Site development for a new HSK STW																															
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																									
	A new Sewage Pumping Station SPS4 and associated rising mains																															
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																									
	Associated rising mains																															
	A new TSE reservoirs and associated pumping stations and rising mains																															
S2C2-iv	site 5-40	131	1	n/a	--	0	3																									
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																															
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																									
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																									
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																															
	sites 3-9 and 3-4																															
S2C2-vd	site 3-4	121	1	n/a	--	0	3																									
S2C2-vd	site 3-9	121	1	n/a	--	0	3																									
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																									
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																									
	sites 3-18 and 3-5																															
S2C2-vd	site 3-18	121	1	n/a	--	0	3																									
S2C2-vd	site 3-5	121	1	n/a	--	0	3																									
S2C2-vd	site 3-1	121	2	n/a	--	3	3																									
	STAGE 3																															
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																															
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																									
S3C1-i	Road D4	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																									
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																									
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																									
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																									
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																									
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																									
	Site formation for residential, commercial and G/IC sites																															

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 53208 Planned Residential Development in Area 5-32

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S1C1-iid	Site development for site 3-8 - part 2	121	1	n/a	--	0	3																												
	STAGE 2																																		
	Development Stage 2 - Contract S2C1																																		
	District Distributor Road D6, D7 and D8, and local roads																																		
S2C1-i	Road D6 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D7 and Road D8 - part 1	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 2	116	4	n/a	--	6	3																												
S2C1-i	Road D8 - part 3	116	4	n/a	--	6	3																												
S2C1-i	Road D6 - Underpass	116	2	n/a	--	3	3																												
	A new Sewage Pumping Station SPS 3 and associated rising main from SPS3 to SPS2																																		
S2C1-ii	SPS3 at site 3-41 and associated rising mains	120	1	n/a	--	0	3																												
	Site formation and development for Fresh Water Service Reservoir																																		
S2C1-iii	Site formation and development for Fresh Water Service Reservoir	131	1	n/a	--	0	3																												
	Site formation for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vf	Site formation for sites 4-1, 4-2, 4-3, 4-4 and 4-5	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-6, 4-7, 4-8, 4-9, 4-10 and 4-23	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 4-11	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-12a, 4-12b, 4-12c, 4-13a and 4-13b	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-19 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-15, 4-16, 4-17, 4-12d, 4-21, 4-37 and associated area	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-31, 4-32, 4-33 and 4-36	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for sites 4-24, 4-25a, 4-25b, 4-25c, 4-26, 4-29, 4-14 and 4-34	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-52	121	4	n/a	--	6	3																												
S2C1-vf	Site formation for site 3-51	121	4	n/a	--	6	3																												
	Site development for residential & commercial developments, G/IC and Open Space areas																																		
S2C1-vd	Site development for 4-1, 4-2,4-3,4-6, 4-7,4-8,4-11,4-15	118	2	n/a	--	3	3																												
S2C1-vd	Site development for 4-19,4-36,4-33,4-31,4-32,4-21,4-24	118	2	n/a	--	3	3																												
	Site formation for a new District Cooling System																																		
S2C1-vif	Site formation for a new District Cooling System at site 4-18	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S2C1-vid	Site development for a new District Cooling System at site 4-18	121	1	n/a	--	0	3																												
	Development Stage 2 - Contract S2C2																																		
	District Distributor Road D1, a section of Road D3 and local roads																																		
S2C2-i	Road D3	116	2	n/a	--	3	3																												
S2C2-i	Road D1	116	2	n/a	--	3	3																												
S2C2-i	Local Roads connecting to Road D1	116	2	n/a	--	3	3																												
S2C2-i	Road D3 - Underpass	116	1	n/a	--	0	3																												
	Site formation for a new HSK STW																																		
S2C2-iif	Site formation for 3-26 part 1	122	1	n/a	--	0	3																												
S2C2-iif	Site formation for 3-26 part 2	122	1	n/a	--	0	3																												
	Site development for a new HSK STW																																		
S2C2-iid	Site development for 3-26	121	1	n/a	--	0	3																												
	A new Sewage Pumping Station SPS4 and associated rising mains																																		
S2C2-iii	SPS 4 at site 2-34	120	1	n/a	--	0	3																												
	Associated rising mains																																		
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S2C2-iv	site 5-40	131	1	n/a	--	0	3																												
	Site formation for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
S2C2-vf	Sites 3-14, 3-18 and 3-19	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-9, 3-11, 3-12 and 3-13	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-4 (part 1) and 3-5	118	4	n/a	--	6	3																												
S2C2-vf	Sites 3-1 and 3-4 (part 2)	118	4	n/a	--	6	3																												
	Site development for Port Back-up and Storage Use sites, Refuse Transfer Station																																		
	sites 3-9 and 3-4																																		
S2C2-vd	site 3-4	121	1	n/a	--	0	3																												
S2C2-vd	site 3-9	121	1	n/a	--	0	3																												
S2C2-vd	sites 3-13 and 3-14	121	2	n/a	--	3	3																												
S2C2-vd	sites 3-11 and 3-12	121	2	n/a	--	3	3																												
	sites 3-18 and 3-5																																		
S2C2-vd	site 3-18	121	1	n/a	--	0	3																												
S2C2-vd	site 3-5	121	1	n/a	--	0	3																												
S2C2-vd	site 3-1	121	2	n/a	--	3	3																												
	STAGE 3																																		
	District Distributor Road D1, D4 and Ping Ha Road (Road D2) widening																																		
S3C1-i	Road D2 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Road D2 - part 3	114	3	n/a	--	5	3																												
S3C1-i	Road D4	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 1	114	3	n/a	--	5	3																												
S3C1-i	Road D1 - part 2	114	3	n/a	--	5	3																												
S3C1-i	Roads connecting to Fung Kong Tsuen	114	3	n/a	--	5	3																												
S3C1-i	Roads serving hospital	114	3	n/a	--	5	3																												
S3C1-i	Road D4 - Underpass	114	1	n/a	--	0	3																												
S3C1-i	Road D2 - Underpass	114	1	n/a	--	0	3																												
	Site formation for residential, commercial and G/IC sites																																		

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 53208 Planned Residential Development in Area 5-32

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2019				2020				2021				2022				2023				2024				2025		
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																											
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																											
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																											
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																											
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	181.19	-53.1	8	3																											
	Site development for residential, commercial and G/IC sites																																	
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																											
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																											
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	181.19	-53.1	8	3																											
	Development Stage 3 - Contract S3C2																																	
	District Distributor Road D3 and D5																																	
S3C2-i	Road D3	114	4	n/a	--	6	3																											
S3C2-i	Road D5	114	4	n/a	--	6	3																											
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																											
	Slip roads connecting KSWH and Road D3																																	
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																											
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																											
	A new TSE reservoirs and associated pumping stations and rising mains																																	
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																											
	Site formation for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																											
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																											
	Site development for Logistics and Enterprise & Technology Park sites																																	
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																											
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																											
	Development Stage 3 - Contract S3C3																																	
	Local Roads serving district open space																																	
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																											
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																											
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																	
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																											
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																											
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																	
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																											
	Site formation for G/IC sites																																	
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																											
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																											
	Site development for G/IC sites																																	
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																											
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																											
	STAGE 4																																	
	Development Stage 4 - Contract S4C1																																	
	Removal of existing Tin Ying Road																																	
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																											
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																											
	Drainage Channel Re-vitalization																																	
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																											
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																											
	Stormwater Storage Tank near Tin Shui Wai Channel																																	
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																											
	Local roads serving development sites																																	
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																											
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																											
	Site formation for a new District Cooling System																																	
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																											
	Site development for a new District Cooling System																																	
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																											
	Site formation for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																											
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																											
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																											
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																											
	Site development for residential, G/IC, commercial and Open Space Areas																																	
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																											
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																											
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																											
	Predicted Noise Level , dB(A)																																	

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 53208 Planned Residential Development in Area 5-32

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2026					2027				2028				2029				2030				2031											
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																																
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																																
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																																
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																																
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	181.19	-53.1	8	3																															80	80
	Site development for residential, commercial and G/IC sites																																						
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																																
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																																
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	181.19	-53.1	8	3																																
	Development Stage 3 - Contract S3C2																																						
	District Distributor Road D3 and D5																																						
S3C2-i	Road D3	114	4	n/a	--	6	3																																
S3C2-i	Road D5	114	4	n/a	--	6	3																																
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																																
	Slip roads connecting KSWH and Road D3																																						
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																																
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																																
	A new TSE reservoirs and associated pumping stations and rising mains																																						
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																																
	Site formation for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																																
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																																
	Site development for Logistics and Enterprise & Technology Park sites																																						
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																																
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																																
	Development Stage 3 - Contract S3C3																																						
	Local Roads serving district open space																																						
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																																
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																																
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																						
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																																
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																																
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																						
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																																
	Site formation for G/IC sites																																						
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																																
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																																
	Site development for G/IC sites																																						
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																																
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																																
	STAGE 4																																						
	Development Stage 4 - Contract S4C1																																						
	Removal of existing Tin Ying Road																																						
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																																
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																																
	Drainage Channel Re-vitalization																																						
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																																
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																																
	Stormwater Storage Tank near Tin Shui Wai Channel																																						
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																																
	Local roads serving development sites																																						
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																																
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																																
	Site formation for a new District Cooling System																																						
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																																
	Site development for a new District Cooling System																																						
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																																
	Site formation for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																																
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																																
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																																
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																																
	Site development for residential, G/IC, commercial and Open Space Areas																																						
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																																
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																																
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																																
	Predicted Noise Level , dB(A)																																					80	80

Appendix 4.6.1 Predicted Construction Noise Levels at Representative NSRs (Unmitigated Scenario)

Construction Noise Assessment

NSR: 53208 Planned Residential Development in Area 5-32

ID	Construction Activity	SWL, dB(A)	No. of Workfront	Distance ,m	Corr. for distance, dB(A)	Corr. For workfront, dB(A)	Corr. for façade, dB(A)	2032				2033				2034				2035				2036				2037				2038			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
S3C1-iif	Sites 1-19, 1-20, 1-21 and 1-22	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-12, 1-15, 1-17 and 1-18	122	5	n/a	--	7	3																												
S3C1-iif	Sites 2-28, 2-29, 2-30, 2-31 and 2-33	122	5	n/a	--	7	3																												
S3C1-iif	Sites 1-1, 1-3, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26 and 2-17	122	5	n/a	--	7	3																												
S3C1-iif	Sites 5-4, 5-7a, 5-7b, 5-8 and 5-9	122	4	n/a	--	6	3																												
S3C1-iif	Sites 5-11, 5-13, 5-14 and 5-42	122	6	181.19	-53.1	8	3	80	80																										
	Site development for residential, commercial and G/IC sites																																		
S3C1-iid	S1 (Site No. 2-28, 2-33,1-15,1-19,1-20,1-22)	119	6	n/a	--	8	3																												
S3C1-iid	S2 (Site No. 2-22,2-21,2-24,2-26,2-27,2-29)	119	6	n/a	--	8	3																												
S3C1-iid	S3 (Site No. 1-1,1-3,2-25,5-11,5-14,5-13,2-31)	119	6	181.19	-53.1	8	3											77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
	Development Stage 3 - Contract S3C2																																		
	District Distributor Road D3 and D5																																		
S3C2-i	Road D3	114	4	n/a	--	6	3																												
S3C2-i	Road D5	114	4	n/a	--	6	3																												
S3C2-i	Road D3 - Underpass	114	1	n/a	--	0	3																												
	Slip roads connecting KSWH and Road D3																																		
S3C2-ii	Slip roads - part 1	118	3	n/a	--	5	3																												
S3C2-ii	Slip roads - part 2	118	3	n/a	--	5	3																												
	A new TSE reservoirs and associated pumping stations and rising mains																																		
S3C2-iii	A new TSE reservoirs at site 3-3 and associated pumping stations and rising mains	131	1	n/a	--	0	3																												
	Site formation for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivf	Site formation for sites 3-15, 3-16, 3-20, 3-21, 3-22 and 3-23	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-24, 3-25, 3-27, 3-28, 3-29, 3-31	117	8	n/a	--	9	3																												
S3C2-ivf	Site formatoin for sites 3-32, 3-33, 3-34, 3-36, 3-37, 3-39, 3-40, 3-42	117	8	n/a	--	9	3																												
	Site development for Logistics and Enterprise & Technology Park sites																																		
S3C2-ivd	Sites 3-24, 3-31 and 3-34	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-36 and 3-37	119	6	n/a	--	8	3																												
S3C2-ivd	Sites 3-22 and 3-23	119	6	n/a	--	8	3																												
	Development Stage 3 - Contract S3C3																																		
	Local Roads serving district open space																																		
S3C3-i	Local roads serving Site 1-27	114	1	n/a	--	0	3																												
S3C3-i	Local roads serving Site 1-29	114	1	n/a	--	0	3																												
	Re-vitalization of existing Tim Sam Channel and Hung Shui Kiu Channel																																		
S3C3-ii	Tim Sam Channel	114	3	n/a	--	5	3																												
S3C3-ii	Hung Shui Kiu Channel	114	3	n/a	--	5	3																												
	Polder schemes with water storage tanks (for mitigation of flooding risk) and Open Space Areas																																		
S3C3-iii	Tanks under Sites 1-27 (portion 1) , 1-32 , 2-32 (porion 1) and 5-43	122	1	n/a	--	0	3																												
	Site formation for G/IC sites																																		
S3C3-ivf	Site 1-28, 5-34 and 2-32 (portion 2)	119	8	n/a	--	9	3																												
S3C3-ivf	Site 1-27 (portion 2), 1-29,1-31,1-30	119	8	n/a	--	9	3																												
	Site development for G/IC sites																																		
S3C3-ivd	Site 1-28, 5-34 and 2-32 (portion 2)	119	2	n/a	--	3	3																												
S3C3-ivd	Site 1-27 (portion 2), 1-29,1-31,1-30	119	2	n/a	--	3	3																												
	STAGE 4																																		
	Development Stage 4 - Contract S4C1																																		
	Removal of existing Tin Ying Road																																		
S4C1-i	Tin Ying Road - part 1	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 2	118	3	n/a	--	5	3																												
S4C1-i	Tin Ying Road - part 3	118	3	n/a	--	5	3																												
	Drainage Channel Re-vitalization																																		
S4C1-ii	Channel Re-vitalization - part 1	115	4	n/a	--	6	3																												
S4C1-ii	Channel Re-vitalization - part 2	115	4	n/a	--	6	3																												
	Stormwater Storage Tank near Tin Shui Wai Channel																																		
S4C1-iii	Site 2-13	122	1	n/a	--	0	3																												
	Local roads serving development sites																																		
S4C1-iv	Local roads serving area near Lau Fau Shan	114	1	n/a	--	0	3																												
S4C1-iv	Local roads serving area near Tin Shui Wai Channel	114	1	n/a	--	0	3																												
	Site formation for a new District Cooling System																																		
S4C1-vf	Site formation for a new District Cooling System at site 1-24	122	1	n/a	--	0	3																												
	Site development for a new District Cooling System																																		
S4C1-vd	Site development for a new District Cooling System at site 1-24	121	1	n/a	--	0	3																												
	Site formation for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vif	Sites 2-1, 2-2, 2-3, 2-4, 2-5, 2-7 and 2-35	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-6, 2-8, 2-9, 2-10, 2-14, 2-15, 2-16 and 2-17	122	2	n/a	--	3	3																												
S4C1-vif	Sites 2-11 and 2-12	122	2	n/a	--	3	3																												
S4C1-vif	Sites 1-2, 1-4, 1-5, 1-6 and 1-7	122	3	n/a	--	5	3																												
S4C1-vif	Sites 1-8, 1-9, 1-10, 1-11, 1-13, 1-14 and 1-16	122	2	n/a	--	3	3																												
	Site development for residential, G/IC, commercial and Open Space Areas																																		
S4C1-vid	Sites 2-9 and 2-15	121	1	n/a	--	0	3																												
S4C1-vid	Sites 2-5, 2-6, 2-8, 2-12 and 2-16	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-2	121	1	n/a	--	0	3																												
S4C1-vid	Sites 1-10, 1-11 and 1-14	121	1	n/a	--	0	3																												
	Predicted Noise Level , dB(A)							80	80									77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77